## **PSW-Multi Series Module Specifications**

Module Type			1	2	4	5	6	8
H/L Voltage Classicfication		-	L	L	L	L	Н	Н
Rated output voltage		V	30	40	80	160	250	800
Rated output current		А	36	27	13.5	7.2	4.5	1.44
Rated output power		W	360	360	360	360	360	360
Power ratio		—	3	3	3	3.2	3.125	3.2
Constant Voltage Mode		V	30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Line regulation (*1) Load regulation (*2)		mV mV	18 20	23 25	43 45	83 85	128	403 405
Ripple and noise (*3)	p-p (*4)	mV	60	60	60	60	80	150
	r.m.s. (*5)	mV	7	7	7	12	15	30
Temperature coefficient		ppm/°C		put voltage, after a 30 mir		12	10	20
Remote snese compensation voltage (single wire)		V	0.6	0.6	0.6	0.6	1	1
Rise time (*6)	Rated load	ms	50	50	50	100	100	150
	No load	ms	50	50	50	100	100	150
Fall time (*7)	Rated load	ms	50	50	50	100	150	300
	No load	ms	500	500	500	1000	1200	2000
Transient response time (*8)		ms	1	1	1	2	2	2
Constant Current Mode			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Line regulation (*1)		mA	41	32	18.5	12.2	9.5	6.44
Load regulation (*9)		mA	41	32	18.5	12.2	9.5	6.44
Ripple and noise	r.m.s.	mA	72 200	54	27	15	10	5
Temperature coefficient		ppm/°C		put current, after a 30 min	-	1(0.7.2	250.4.5	000 1 44
Protection Function	C. Wine many a	V	30-36 3-33	40-27 4-44	80-13.5 8-88	160-7.2	250-4.5	800-1.44
Over voltage protection (OVP)	Setting range	v	$\pm (2\% \text{ of rated output v})$		8-88	16-176	20-275	20-880
Over current protection (OCP)	Setting accuracy Setting range	A	± (2% of rated output v 3.6-39.6	2.7-29.7	1.35-14.85	0.72-7.92	0.45-4.95	0.144-1.584
over current protection (OCr)	Setting accuracy	A	$\pm (2\% \text{ of rated output cu})$		1.33-14.63	0.72-7.92	0.40-4.90	0.144-1.364
Over temperature protection (OTP)	Operation	1	$\pm (2\%)$ of fated output of Turn the output off					
Low AC input protection (AC-FAIL)	Operation	1	Turn the output off					
Power limit (POWER LIMIT)	Operation		Over power limit.					
· · · · · · · · · · · · · · · · · · ·	Value (fixed)		Approx. 105% of rated	output power				
Analog Programming and Monitoring			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
External voltage control output voltage	at 23 °C ± 5 °C			±0.5% of rated output vol				
External voltage control output current	at 23 °C ± 5 °C		Accuracy and linearity:	$\pm 1\%$ of rated output curre	nt.			
External resistor control output voltage	at 23 °C $\pm$ 5 °C		Accuracy and linearity:	$\pm 1.5\%$ of rated output vol	tage.			
External resistor control output current	at 23 °C $\pm$ 5 °C		Accuracy and linearity:	$\pm 1.5\%$ of rated output cur	rent.			
Output voltage monitor	at 23 °C $\pm$ 5 °C		Accuracy: ±1%				Accuracy: ±2%	
Output current monitor	at 23 °C $\pm$ 5 °C		Accuracy: ±1%				Accuracy: ±2%	
Shutdown control				th a LOW (0V to 0.5V) or				
							out off using a HIGH (4.5V	to 5V) or open-circuit.
Output on/off control			Turn the output on using	g a HIGH (4.5V to 5V) or	open-circuit, turn the outp	ut off using a LOW (0V	to 0.5V) or short-circuit.	
CV/CC/ALM/PWR ON/OUT ON indicator			Photocoupler open colle	ector output; Maximum vo	ltage 30V, maximum sink	current 8mA.		
Front Panel			30-36	40-27	80-13.5	160-7.2	250-4.5	800-1.44
Display, 4 digits Voltage accuracy	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mV	20	20	20	100	200	400
Current accuracy	at 23 °C ± 5 °C; ± (0.1% +	mA	40	30	20	5	5	2
Indications			,	C, VSR, ISR, DLY, RMT,	20, 40, 60, 80, 100, %W, V	W, V, A		
Detterre			RED LED's: ALM Function, OVP/OCP, Set, Test, Lock/Local, PWR DSPL, Output					
Buttons				et, Test, Lock/Local, PWF	DSPL, Output			
Knobs			Voltage, Current Type A USB connector					
LICDt			Type A USB connector		80-13.5	160-7.2	250-4.5	800-1.44
USB port			20.26					800-1.44
Programming and Measurement (USB, LAN, GPIB)	$at 22 \circ C + 5 \circ C + (0.1\% + 10.1\%)$	mV	30-36	40-27				
Programming and Measurement (USB, LAN, GPIB) Output voltage programming accuracy	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% $\pm$ at 23 °C $\pm$ 5 °C; $\pm$ (0.1% $\pm$	mV	10	10	10	100	200	400
Programming and Measurement (USB, LAN, GPIB) Output voltage programming accuracy Output current programming accuracy	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% +	mA	10 30	10 20	10 10	100 5	200 5	400 2
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution		mA mV	10	10	10	100 5 3	200	400
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution	at 23 °C ± 5 °C; ± (0.1% +	mA mV mA	10 30 1 1	10 20 1 1	10 10 2 1	100 5 3 1	200 5 5 1	400 2 14 1
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution		mA mV	10 30	10 20	10 10	100 5 3	200 5 5	400 2
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV	10 30 1 1 10	10 20 1 1 10	10 10 2 1 10	100 5 3 1 100	200 5 5 1 200	400 2 14 1 400
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output current measurement accuracy	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA	10 30 1 1 10	10 20 1 1 10 20	10 10 2 1 10 10	100 5 3 1 100 5	200 5 5 1 200 5	400 2 14 1 400 2
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output current measurement resolution	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA mV	10 30 1 1 10	10 20 1 1 10 20 1	10 10 2 1 10 10 2	100 5 3 1 100 5 3	200 5 5 1 200 5 5 5	400 2 14 1 400 2
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output voltage measurement resolution	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA mV	10 30 1 1 10 30 1 1	10 20 1 1 10 20 1 1 1	10 10 2 1 10 10 2 1	100 5 3 1 100 5 3 1	200 5 5 1 200 5 5 1	400 2 14 1 400 2 14 1 1
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA mV mA	10 30 1 1 10 30 1 1 30-36	10 20 1 1 10 20 1 1 40-27	10 10 2 1 10 10 2 1 2 1 80-13.5	100 5 3 1 100 5 3 1 160-7.2	200 5 5 1 200 5 5 5 1 250-4.5	400 2 14 1 400 2 14 1 800-1.44
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA mV mA %	10 30 1 1 10 30 1 1 30-36 77	10 20 1 1 10 20 1 1 40-27 78	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Efficiency	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA mV mA %	10 30 1 1 10 30 1 1 30-36 77 79	10 20 1 1 10 20 1 1 40-27 78 80	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% + at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +	mA mV mA mV mA mV mA %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac	mA mV mA mV mA mV mA %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input voltage range	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac	mA mV mA mV mA mV mA %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %           %           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Inrush current	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5 Less than 50A	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Inrush current         Maximum input power	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Inrush current	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50F 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5 Less than 50A	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Inrush current         Maximum input power         Power factor	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5 Less than 50A	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Hold-up time	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50F 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5 Less than 50A 1000	10 10 2 1 10 10 2 1 80-13.5 78	100 5 3 1 100 5 3 1 160-7.2 79	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Hold-up time         Interface Capabilities	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5 Less than 50A 1000	10 10 2 1 10 2 1 1 80-13.5 78 80	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50F 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Hz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output voltage measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB         LAN	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel	10 10 2 1 10 2 1 1 80-13.5 78 80	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB         LAN         GPIB	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50F 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 1000 5 1000 100	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB         LAN         GPIB         Environmental Conditions	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G)	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel 1000 5 Channel	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB         LAN         GPIB         Environmental Conditions         Operaing temperature	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 1000 5 1000 100	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output voltage measurement accuracy         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0°C to 50 °C	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Address, User Password, PIB to USB Adapter) Dual Channel	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         Interface Capabilities         USB         LAN         GPIB         Environmental Conditions         Operaing temperature	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0 °C to 50 °C -25 °C to 70 °C	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 Ual Channel Idve, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Idve Sature (State (State(	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 Ual Channel Idve, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Idve Sature (State (State(	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No cot	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 Ual Channel Idve, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Idve Sature (State (State(	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming accuracy         Output voltage programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Inrush current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No cot	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 0 0 10 0 5 Less than 50A 1000 0 0 0 0 0 0 0 0 0 0 0 0	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input frequency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 100Vac 200Vac 100Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           MV           mA           MV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No cot	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 Ual Channel Idve, Speed: 1.1/2.0, USB Address, User Password, PIB to USB Adapter) Dual Channel Idve Saturnel Idve Saturn	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 250-4.5 79 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 200Vac 100Vac 200Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No cot	10 20 1 1 10 20 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Less than 50A 1000 5 Less than 50A 1000 0 0 0 0 0 0 0 0 0 0 0 0	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output voltage measurement accuracy         Output current measurement accuracy         Output voltage measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity         Altitude         General Specifications         Weight         Dimensions	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 200Vac 100Vac 200Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (Gi 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No con Maximum 2000m Forced air cooling by in	10 20 1 1 10 20 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Less than 50A 1000 5 Less than 50A 1000 0 0 0 0 0 0 0 0 0 0 0 0	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati	100 5 3 1 100 5 3 1 160-7.2 79 81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity         Altitude         General Specifications         Weight         Dimensions         Cooling	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 200Vac 100Vac 200Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (Gi 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No con Maximum 2000m Forced air cooling by in Complies with the Euro	10           20           1           10           20           1           10           20           1           1           40-27           78           80           Dual Channel           Iz to 60Hz, single phase           10           5           Less than 50A           1000           S           Dual Channel           Idve, Speed: 1.1/2.0, USB           Address, User Password,           PIB to USB Adapter)           Dual Channel           ondensation           adensation           Dual Channel           Approx. 5.4kg           142 x 124 x 350           tternal fan           pean EMC directive for C	10 10 2 1 10 10 2 1 80-13.5 78 80 Class: CDC(Communicati Gateway IP Address, Instr	100 5 3 1 100 5 3 1 160-7.2 79 81 81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity         Altitude         General Specifications         Weight         Dimensions         Cooling         EMC	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 200Vac 100Vac 200Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (Gi 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No con Maximum 2000m Forced air cooling by in Complies with the Euro	10 20 1 1 10 20 1 1 40-27 78 80 Dual Channel Iz to 60Hz, single phase 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Less than 50A 1000 5 Less than 50A 1000 0 0 0 0 0 0 0 0 0 0 0 0	10         10         2         1         10         2         1         80-13.5         78         80	100 5 3 1 100 5 3 1 160-7.2 79 81 81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input voltage range         Input frequency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operating humidity         Storage temperature         Operating humidity         Altitude         General Specifications         Weight         Dimensions         Cooling         EMC         Safety	at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + at 23 °C ± 5 °C; ± (0.1% + 100Vac 200Vac 200Vac 200Vac 200Vac 200Vac 200Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater 7ypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (GI 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No con Maximum 2000m Forced air cooling by in Complies with the Euro No abnormalities at 150 No abnormalities at 300	10           20           1           10           20           1           10           20           1           1           40-27           78           80           Dual Channel           Iz to 60Hz, single phase           10           5           Less than 50A           1000           0           5           Less than 50A           1000           0           0           Dual Channel           lave, Speed: 1.1/2.0, USB           Address, User Password,           PIB to USB Adapter)           Dual Channel           andensation           indensation	10         10         2         1         10         2         1         80-13.5         78         80         Class: CDC(Communicati         Gateway IP Address, Instr         Image: Class A test and measurement         ve and carries the CE-mark	100         5         3         1         100         5         3         1         160-7.2         79         81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity         Altitude         General Specifications         Weight         Dimensions         Cooling         EMC         Safety	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         100Vac         200Vac         100Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50F 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater 7ypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (GI 0 °C to 50 °C -25 °C to 70 °C 20% to 85% RH; No co 90% RH or less; No con Maximum 2000m Forced air cooling by in Complies with the Euro No abnormalities at 150 No abnormalities at 300 No abnormalities at 500	10           20           1           10           20           1           10           20           1           1           40-27           78           80           Dual Channel           Iz to 60Hz, single phase           10           5           Less than 50A           1000           9           Dual Channel           lave, Speed: 1.1/2.0, USB           Address, User Password,           PIB to USB Adapter)           Dual Channel           andensation           ndensation           Dual Channel           Approx. 5.4kg           142 x 124 x 350           aternal fan           pean EMC directive for C           pean Low Voltage Directi           00 Vac for 1 minute           00 Vac for 1 minute	10           10           2           1           10           2           1           80-13.5           78           80   Class: CDC(Communicati Gateway IP Address, Instr	100         5         3         1         100         5         3         1         160-7.2         79         81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input power         Power factor         Hold-up time         Interface Capabilities         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Altitude         General Specifications         Weight         Dimensions         Cooling         EMC         Safety	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         100Vac         200Vac         100Vac         100Vac         200Vac         100Vac         100Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10 30 1 1 10 30 1 10 30 1 1 30-36 77 79 100Vac to 240Vac, 50H 85Vac ~ 265Vac 47Hz ~ 63Hz 0.99 0.97 20ms or greater 0.99 0.97 20ms or greater TypeA: Host, TypeB: S MAC Address, DNS IP Optional: GUG-001 (G) 0°C to 50°C -25°C to 70°C 20% to 85% RH; No cor 90% RH or less; No cor Maximum 2000m Forced air cooling by in Complies with the Euro No abnormalities at 150 No abnormalities at 150 No abnormalities at 150 No abnormalities at 150 No abnormalities at 150	10 20 1 1 10 20 1 10 20 1 10 20 11 10 5 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Completer (Completer (Comple	10           10           2           1           10           2           1           80-13.5           78           80   Class: CDC(Communicati Gateway IP Address, Instr	100         5         3         1         100         5         3         1         160-7.2         79         81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input current         Maximum input power         Power factor         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Storage humidity         Altitude         General Specifications         Weight         Dimensions         Cooling         EMC         Safety	at 23 °C ± 5 °C; ± (0.1% +         at 23 °C ± 5 °C; ± (0.1% +         at 23 °C ± 5 °C; ± (0.1% +         at 23 °C ± 5 °C; ± (0.1% +         100Vac         200Vac         100Vac         100Vac         200Vac         100Vac         100Vac<	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10           30           1           10           30           1           10           30           1           1           30-36           77           79           100Vac to 240Vac, 50F           85Vac ~ 265Vac           47Hz ~ 63Hz           0.99           0.97           20ms or greater           0°C to 50°C           -25°C to 70°C           20% to 85% RH; No co           90% RH or less; No con           Maximum 2000m	10 20 1 1 10 20 1 10 20 1 10 20 11 10 5 80 Dual Channel 40-27 78 80 Dual Channel 40-27 78 80 Dual Channel 40-27 78 80 Dual Channel 10 5 Less than 50A 1000 5 Less than 50A 1000 100	10           10           2           1           10           2           1           80-13.5           78           80   Class: CDC(Communicati Gateway IP Address, Instr	100         5         3         1         100         5         3         1         160-7.2         79         81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB)         Output voltage programming accuracy         Output current programming resolution         Output current programming resolution         Output current programming resolution         Output current measurement accuracy         Output current measurement resolution         Output current measurement resolution         Output current measurement resolution         Input Characteristics         Efficiency         Input Characteristics         Norminal input rating         Input requency range         Maximum input current         Maximum input power         Power factor         Hold-up time         Interface Capabilities         USB         LAN         GPIB         Environmental Conditions         Operaing temperature         Storage temperature         Operating humidity         Altitude         General Specifications         Weight         Dimensions         Cooling         EMC         Safety	at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         at 23 °C $\pm$ 5 °C; $\pm$ (0.1% +         100Vac         200Vac         100Vac         100Vac         200Vac         100Vac         100Vac	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10           30           1           10           30           1           10           30           1           1           30-36           77           79           100Vac to 240Vac, 50F           85Vac ~ 265Vac           47Hz ~ 63Hz           0.99           0.97           20ms or greater           0°C to 50 °C           -25°C to 70 °C           20% to 85% RH; No cor           90% RH or less; No cor           Maximum 2000m	10 20 1 1 10 20 1 10 20 1 10 5 10 5 Less than 50A 1000 5 Less than 50A 1000 5 Content 12,2,0, USB Address, User Password, PIB to USB Adapter) Dual Channel Approx. 5.4kg 142 x 124 x 350 ternal fan pean EMC directive for C pean Low Voltage Directiv 00 Vac for 1 minute 00 Vac for 1 minute for 30V 00 Vdc for 1 minute for 30V 00 Vdc for 1 minute for 30V 100 Channel	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati Gateway IP Address, Instr Gateway IP Address, Instr 4 1 1 1 10 10 2 1 1 10 10 2 1 1 10 10 2 1 1 10 10 2 1 1 10 10 2 1 1 10 10 10 10 10 10 10 10	100         5         3         1         100         5         3         1         160-7.2         79         81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80
Programming and Measurement (USB, LAN, GPIB) Output voltage programming accuracy Output current programming resolution Output voltage programming resolution Output current programming resolution Output current measurement accuracy Output voltage measurement resolution Output current measurement resolution Output current measurement resolution Input Characteristics Efficiency Input Characteristics Norminal input rating Input requency range Maximum input current Maximum input power Power factor Hold-up time Interface Capabilities USB LAN GPIB Environmental Conditions Operaing temperature Storage temperature Storage temperature Operating humidity Altitude General Specifications Weight Dimensions Cooling EMC Safety Withstand voltage	at 23 °C ± 5 °C; ± (0.1% +         at 23 °C ± 5 °C; ± (0.1% +         at 23 °C ± 5 °C; ± (0.1% +         at 23 °C ± 5 °C; ± (0.1% +         100Vac         200Vac         100Vac         100Vac         200Vac         100Vac         100Vac<	mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           mV           mA           %	10           30           1           10           30           1           10           30           1           1           30-36           77           79           100Vac to 240Vac, 50F           85Vac ~ 265Vac           47Hz ~ 63Hz           0.99           0.97           20ms or greater           0°C to 50 °C           -25°C to 70 °C           20% to 85% RH; No cor           90% RH or less; No cor           Maximum 2000m	10 20 1 1 10 20 1 10 20 1 10 20 11 10 5 10 5 Less than 50A 100 5 Less than 50A 1000 5 Less than 50A 1000 5 Conterled Approx. 5.4kg 142 x 124 x 350 tternal fan pean EMC directive for Con 100 Vac for 1 minute 100 Vac for 1 minute 5 100 Vac for 1 minute 5 100 Vac for 1 minute 5 100 Vac for 1 minute 100 Vac for 1 minute	10 10 2 1 10 2 1 80-13.5 78 80 Class: CDC(Communicati Gateway IP Address, Instr Gateway IP Address, Instr 4 1 1 1 10 10 2 1 1 10 10 2 1 1 10 10 2 1 1 10 10 2 1 1 10 10 2 1 1 10 10 10 10 10 10 10 10	100         5         3         1         100         5         3         1         160-7.2         79         81	200 5 5 1 200 5 5 1 200 5 1 200 5 1 200 5 1 200 5 7 9 81 Triple Channel 15 7.5 Less than 75A 1500 Triple Channel et Mask Triple Channel	400 2 14 1 400 2 14 1 800-1.44 80

Notes:

\*1: At 85  $\sim$  132Vac or 170  $\sim$  265Vac, constant load.

\*2: From No-load to Full-load, constant input voltage. Measured at the sensing point in Remote Sense.

\*3: Measure with JEITA RC-9131B (1:1) probe

\*4: Measurement frequency bandwidth is 10Hz to 20MHz.

\*5: Measurement frequency bandwidth is 5Hz to 1MHz.

\*6: From 10% to 90% of rated output voltage, with rated resistive load.

\*7: From 90% to 10% of rated output voltage, with rated resistive load.

\*8: Time for output voltage to recover within 0.1% + 10 mV of its rated output for a load change from 50 to 100% of its rated output current.

\*9: For load voltage change, equal to the unit voltage rating, constant input voltage.