

PEL-3000 Specifications

The specifications apply when the PEL-3000 is powered on for at least 30 minutes under +20°C~+30°C.

PEL-3021 / PEL-3041 / PEL-3111 / PEL-3211



Model	PEL-3021			PEL-3041			PEL-3111			PEL-3211
Voltage	0V~150V									
Current	35A			70A			210A			420A
Power	175W			350W			1050W			2100W
Input Resistance	500KΩ									
Min. Operating Voltage(DC)(Typ.)	0.75V@17.5A			0.75V@35A			0.75V@105A			0.75V@210A
	1.5V@35A			1.5V@70A			1.5V@210A			1.5V@420A
Constant Current Mode										
Operating Range	0~35A	0~3.5A	0~0.35A	0~70A	0~7A	0~0.7A	0~210A	0~21A	0~2.1A	420A
Accuracy of Setting	±(0.2 % of set + 0.1 % of f.s* ¹) + Vin* ² /500 kΩ									±(1.2% of set +1.1% of f.s)
Accuracy of Setting(Parallel)	±(1.2 % of set + 1.1 % of f.s* ³)									
Resolution	1mA	0.1mA	0.01mA	2mA	0.2mA	0.02mA	10mA	1mA	0.1mA	N/A
Constant Resistance Mode										

Operating Range	H	23.33365S~400uS	46.6672S~800uS	140.0016S~2.4mS	28.0002s~484.8us (35.7135mΩ~2.08334Ω)						
		(42.857mΩ~2.5kΩ)	(21.428mΩ~1.25KΩ)	(7.1427mΩ~416.6667Ω)							
	M	2.33336S~40uS	4.6667S~80uS	14.0001S~242.4uS							
		(428.566mΩ~25kΩ)	(214.28mΩ~12.5kΩ)	(71.427mΩ~4.16667kΩ)							
	L	0.233336S~4uS	0.46667S~8uS	1.40001S~24.24uS							
		(4.28566Ω~250kΩ)	(2.1428Ω~125kΩ)	(714.27mΩ~41.6667kΩ)							
Accuracy of Setting	H,M,L	$\pm(0.5 \% \text{ of set}^{*6} + 0.5 \% \text{ of f.s}^{*1}) + \text{Vin}^{*3}/500\text{k}\Omega$						H & M range: $\pm(1.2\% \text{ of set} + 1.1\% \text{ of f.s})$			
Accuracy of Setting(Parallel)	H,M,L	$\pm(1.2\% \text{ of set} + 1.1\% \text{ of f.s})$									
Resolution		400uS	40uS	4uS	800uS	80uS	8uS	2.4mS	240uS	24uS	N/A
Constant Voltage Mode											
Operating Range	H	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V	1.5V~150V
	L	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V	1.5V~15V
Accuracy of Setting	H,L	$\pm(0.1 \% \text{ of set} + 0.1 \% \text{ of f.s.})$		$\pm(0.1 \% \text{ of set} + 0.1 \% \text{ of f.s.})$		$\pm(0.1 \% \text{ of set} + 0.1 \% \text{ of f.s.})$		$\pm(0.1 \% \text{ of set} + 0.1 \% \text{ of f.s.})$		N/A	
Resolution	H,L	10mV / 1mV		10mV / 1mV		10mV / 1mV		10mV / 1mV		N/A	
Constant Power Mode											
Operating Range	H	17.5W~175W	35W~350W	105W~1050W	210W~2100W						
	M	1.75W~17.5W	3.5W~35W	10.5W~105W	21W~210W						
	L	0.175W~1.75W	0.35W~3.5W	1.05W~10.5W	2.1W~21W						
Accuracy of Setting	H,M,L	$\pm(0.6 \% \text{ of set}^{*5} + 1.4 \% \text{ of f.s}^{*3})$						N/A			
Resolution		10mW	1mW	0.1mW	10mW	1mW	0.1mW	100mW	10mW	1mW	N/A
PARALLEL Mode											
Capacity		875W			1750W			5250W			PEL-3111 with 4 booster

					units: Max 9.45kW				
Slew Rate									
Operating Mode		CC, CR		CC, CR		CC, CR		N/A	
Setting Range	H	2.5mA/us~2.5A/us		5mA/us~5A/us		16mA/us~16A/us		16mA/us~16A/us	
(CC mode)	M	250uA/us~250mA/us		500uA/us~500mA/us		1.6mA/us~1.6A/us		1.6mA/us~1.6A/us	
	L	25uA/us~25mA/us		50uA/us~50mA/us		160uA/us~160mA/us		N/A	
Setting Range	H	250uA/us~250mA/us		500uA/us~500mA/us		1.6mA/us~1.6A/us		1.6mA/us~1.6A/us	
(CR mode)	M	25uA/us~25mA/us		50uA/us~50mA/us		160uA/us~160mA/us		160uA/us~160mA/us	
	L	2.5uA/us~2.5mA/us		5uA/us~5mA/us		16uA/us~16mA/us		N/A	
Accuracy of Setting	H,M,L	±(10 % of set* ⁹ + 5us)						N/A	
Resolution		1mA/μs (250mA~2.5A/μs)		2mA/μs (500mA~5A/μs)		6mA/μs (1.6A~16A/μs)		N/A	
		100μA/μs (25mA~250mA/μs)		200μA/μs (50mA~500mA/μs)		600μA/μs (160mA~1.6A/μs)		N/A	
		10μA/μs (2.5mA~25mA/μs)		20μA/μs (5mA~50mA/μs)		60μA/μs (16mA~160mA/μs)		N/A	
		1μA/μs (250μA~2.5mA/μs)		2μA/μs (500μA~5mA/μs)		6μA/μs (1.6mA~16mA/μs)		N/A	
		100nA/μs (25μA~250μA/μs)		200nA/μs (50μA~500μA/μs)		600nA/μs (160μA~1.6mA/μs)		N/A	
		10nA/μs (2.5μA~25μA/μs)		20nA/μs (5μA~50μA/μs)		60nA/μs (16μA~160μA/μs)		N/A	
METER									
Voltmeter	Accuracy	±(0.1 % of rdg + 0.1 % of f.s.)						N/A	
Ammeter	Accuracy	±(0.2 % of rdg + 0.3 % of f.s.)						N/A	
Ammeter (Parallel Operation)	Accuracy	±(1.2 % of rdg + 1.1 % of f.s.)						N/A	
DYNAMIC MODE									
Operation mode		CC / CR							

T1 & T2		0.025ms ~ 10ms / Res : 1us ; 1ms ~ 30s / Res : 1ms				
Accuracy		1us / 1ms \pm 100ppm				
Slew Rate	H	2.5mA/us~2.5A/us	5mA/us~5A/us	16mA/us~16A/us	16mA/us~16A/us	
(CC Mode)	M	250uA/us~250mA/us	500uA/us~500mA/us	1.6mA/us~1.6A/us	1.6mA/us~1.6A/us	
	L	25uA/us~25mA/us	50uA/us~50mA/us	160uA/us~160mA/us	N/A	
Slew Rate	H	250uA/us~250mA/us	500uA/us~500mA/us	1.6mA/us~1.6A/us	N/A	
(CR Mode)	M	25uA/us~25mA/us	50uA/us~50mA/us	160uA/us~160mA/us		
	L	2.5uA/us~2.5mA/us	5uA/us~5mA/us	16uA/us~16mA/us		
Current Accuracy		\pm 0.4%F.S	\pm 0.4%F.S	\pm 0.4%F.S	\pm (1.2% of set +1.1% of f.s)	
Protection Function						
Overvoltage (OVP)		Adjustable ; Turns off the load at 110% of the rated voltage				N/A
Overcurrent (OCP)		0.03A ~ 38.5A (Adjustable)	0.06A ~ 77A (Adjustable)	0.2A ~ 231A (Adjustable)		
Overpower (OPP)		0.1W ~ 192.5W (Adjustable)	0.3W ~ 385W (Adjustable)	1W ~ 1155W (Adjustable)		
Overheat (OHP)		Turns off the load when the heat sink temperature reaches 95 °C				
Undervoltage (UVP)		Adjustable : Turns off the load when detected. Can be set in the range of 0 V to 150 V or Off.				
Reverse connection (REV)		By diode. Turns off the load when an alarm occurs.				
General Specifications						
Line Input		90VAC~132VAC/ 180VAC~250VAC, Single-phase; 47Hz~63Hz				
Power Max.(VA)		90VA	110VA	190VA	230VA	
Interface		USB/RS232C/Analog Control (Standard) ; GPIB(Optional)				
Weight(Approx.)		6kg	7kg	17kg	23kg	
DIMENSIONS & WEIGHT		214.5(W)x124(H)x400(D)mm.	214.5(W)x124(H)x400(D)mm	429.5(W)x128(H)x400(D)mm	427.7(W)x128(H)x592.5(D)mm	

PEL-3212 / PEL-3323 / PEL-3424 / PEL-3535

Model		PEL-3212			PEL-3323			PEL-3424			PEL-3535		
Voltage		0V~150V			0V~150V			0V~150V			0V~150V		
Current		0~420A			0~630A			0~840A			0~1050A		
Power		2100W			3150W			4200W			5250W		
Input Resistance		250KΩ			166.7KΩ			125KΩ			100KΩ		
Min. Operating Voltage(DC)(Typ.)		0.75V@210A			0.75V@315A			0.75V@420A			0.75V@525A		
		1.5V@420A			1.5V@630A			1.5V@840A			1.5V@1050A		
Constant Current Mode													
Operating Range		0~420A	0~42A	0~4.2A	0~630A	0~63A	0~6.3A	0~840A	0~84A	0~8.4A	0~1050A	0~105A	0~10.5A
Accuracy of Setting	H,M,L	$\pm(0.2\% \text{ of set} + 0.1\% \text{ of f.s.}^{*1}) + V_{in}^{*2}/500 \text{ k}\Omega$											
Accuracy of Setting(Parallel)	H,M,L	N/A											
Resolution		20mA	2mA	0.2mA	30mA	3mA	0.3mA	40mA	4mA	0.4mA	50mA	5mA	0.5mA
Constant Resistance Mode													
Operating Range	H	280.0032S~4.8mS			420.0048S~7.2mS			560.0064S~9.6mS			700.008S~12mS		
		(3.57138mΩ~208.333Ω)			(2.38092mΩ~138.888Ω)			(1.78569mΩ~104.166Ω)			(1.42855mΩ~83.3333Ω)		
	M	28.00032S~480uS			42.00048S~720uS			56.00064S~960uS			70.0008S~1.2mS		
		(35.7138mΩ~2083.33Ω)			(23.8092mΩ~1388.88Ω)			(17.8569mΩ~1041.66Ω)			(14.2855mΩ~833.333Ω)		
	L	2.800032S~48uS			4.200048S~72uS			5.600064S~96uS			7.00008S~120uS		
		(357.138mΩ~20.8333kΩ)			(238.092mΩ~13.8888kΩ)			(178.569mΩ~10.4166kΩ)			(142.855mΩ~8.33333kΩ)		
Accuracy of Setting	H,M,L	$\pm(0.5\% \text{ of set}^{*6} + 0.5\% \text{ of f.s.}^{*3}) + V_{in}^{*2}/500 \text{ k}\Omega$											
Resolution		4.8mS	480uS	48uS	7.2mS	720uS	72uS	9.6mS	960uS	96uS	12mS	1.2mS	120uS

Constant Voltage Mode													
Operating Range	H	1.5V~150V			1.5V~150V			1.5V~150V			1.5V~150V		
	L	1.5V~15V			1.5V~15V			1.5V~15V			1.5V~15V		
Accuracy of Setting	H,L	$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$			$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$			$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$			$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$		
Resolution	H,L	10mV / 1mV			10mV / 1mV			10mV / 1mV			10mV / 1mV		
Constant Power Mode													
Operating Range	H	210W~2100W			315W~3150W			420W~4200W			525W~5250W		
	M	21W~210W			31.5W~315W			42W~420W			52.5W~525W		
	L	2.1W~21W			3.15W~31.5W			4.2W~42W			5.25W~52.5W		
Accuracy of Setting	H,M,L	$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$			$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$			$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$			$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$		
Resolution		200mW	20mW	2mW	300mW	30mW	3mW	400mW	40mW	4mW	500mW	50mW	5mW
PARALLEL Mode													
Capacity	N/A												
Slew Rate													
Operating Mode	CC and CR												
Setting Range	H	32mA/us~16A/us			48mA/us~16A/us			64mA/us~16A/us			80mA/us~16A/us		
(CC mode)	M	3.2mA/us~1.6A/us			4.8mA/us~1.6A/us			6.4mA/us~1.6A/us			8mA/us~1.6A/us		
	L	320uA/us~160mA/us			480uA/us~160mA/us			640uA/us~160mA/us			800uA/us~160mA/us		
Setting Range	H	3.2mA/us~1.6A/us			4.8mA/us~1.6A/us			6.4mA/us~1.6A/us			8mA/us~1.6A/us		
(CR mode)	M	320uA/us~160mA/us			480uA/us~160mA/us			640uA/us~160mA/us			800uA/us~160mA/us		
	L	32uA/us~16mA/us			48uA/us~16mA/us			64uA/us~16mA/us			80uA/us~16mA/us		
Accuracy of Setting	H,M,L	$\pm(10\% \text{ of set}^{*9} + 5\text{us})$											
Resolution		12mA(1.6A/us~16A/us)			18mA(1.6A/us~16A/us)			24mA(1.6A/us~16A/us)			30mA(1.6A/us~16A/us)		
		1.2mA(160mA/us~1.6A/us)			1.8mA(160mA/us~1.6A/us)			2.4mA(160mA/us~1.6A/us)			3mA(160mA/us~1.6A/us)		

		120uA(16mA/us~160mA/us)	180uA(16mA/us~160mA/us)	240uA(16mA/us~160mA/us)	300uA(16mA/us~160mA/us)
		12uA(1.6mA/us~16mA/us)	18uA(1.6mA/us~16mA/us)	24uA(1.6mA/us~16mA/us)	30uA(1.6mA/us~16mA/us)
		1.2uA(160uA/us~1.6mA/us)	1.8uA(160uA/us~1.6mA/us)	2.4uA(160uA/us~1.6mA/us)	3uA(160uA/us~1.6mA/us)
		120nA(16uA/us~160uA/us)	180nA(16uA/us~160uA/us)	240nA(16uA/us~160uA/us)	300nA(16uA/us~160uA/us)
METER					
Voltmeter	Accuracy	±(0.1 % of rdg + 0.1 % of f.s)	±(0.1 % of rdg + 0.1 % of f.s)	±(0.1 % of rdg + 0.1 % of f.s)	±(0.1 % of rdg + 0.1 % of f.s)
Ammeter	Accuracy	±(0.2 % of rdg + 0.3 % of f.s)	±(0.2 % of rdg + 0.3 % of f.s)	±(0.2 % of rdg + 0.3 % of f.s)	±(0.2 % of rdg + 0.3 % of f.s)
Ammeter(Parallel Operation)	Accuracy	N/A			
DYNAMIC MODE					
Operation mode		CC and CR	CC and CR	CC and CR	CC and CR
T1 & T2		0.025mS ~ 10mS / Res : 1uS	0.025mS ~ 10mS / Res : 1uS	0.025mS ~ 10mS / Res : 1uS	0.025mS ~ 10mS / Res : 1uS
		1mS ~ 30S / Res : 1mS	1mS ~ 30S / Res : 1mS	1mS ~ 30S / Res : 1mS	1mS ~ 30S / Res : 1mS
Accuracy		1uS / 1mS ± 100ppm	1uS / 1mS ± 100ppm	1uS / 1mS ± 100ppm	1uS / 1mS ± 100ppm
Slew Rate	H	32mA/us~16A/us	48mA/us~16A/us	64mA/us~16A/us	80mA/us~16A/us
(CC Mode)	M	3.2mA/us~1.6A/us	4.8mA/us~1.6A/us	6.4mA/us~1.6A/us	8mA/us~1.6A/us
	L	320uA/us~160mA/us	480uA/us~160mA/us	640uA/us~160mA/us	800uA/us~160mA/us
Slew Rate	H	3.2mA/us~1.6A/us	4.8mA/us~1.6A/us	6.4mA/us~1.6A/us	8mA/us~1.6A/us
(CR Mode)	M	320uA/us~160mA/us	480uA/us~160mA/us	640uA/us~160mA/us	800uA/us~160mA/us
	L	32uA/us~16mA/us	48uA/us~16mA/us	64uA/us~16mA/us	80uA/us~16mA/us
Current Accuracy		±0.4%F.S.	±0.4%F.S.	±0.4%F.S.	±0.4%F.S.
Protection Function					
Overvoltage (OVP)		Turns off the load at 110% of the rated voltage			
Overcurrent (OCP)		0.4A~462A	0.6A~693A	0.8A~924A	1.0A~1155A
Overpower (OPP)		2W~2310W	3W~3465W	4W~4620W	5W~5775W
Overheat (OHP)		Turns off the load when the heat sink temperature reaches 95 °C			
Undervoltage (UVP)		Turns off the load when detected. Can be set in the range of 0 V to 150 V or Off.			

Reverse connection (REV)	By diode. Turns off the load when an alarm occurs.			
General Specifications				
Line Input	90VAC~132VAC/ 180VAC~250VAC, Single-phase; 47Hz~63Hz			
Power Max.(VA)	380VA	570VA	760VA	950VA
Interface	USB/RS232C/Analog Control (Standard) ; GPIB(Option)			
Weight(Approx.)	67.5kg	85.5kg	110kg	127.5kg
DIMENSIONS & WEIGHT	598(W)x877(H)x706(D)mm.	598(W)x877(H)x706(D)mm.	598(W)x877(H)x706(D)mm.	598(W)x877(H)x706(D)mm.

PEL-3322 / PEL-3533 / PEL-3744 / PEL-3955

Model	PEL-3322			PEL-3533			PEL-3744			PEL-3955			
Voltage	0V~150V			0V~150V			0V~150V			0V~150V			
Current	0~630A			0~1050A			0~1470A			0~1890A			
Power	3150W			5250W			7350W			9450W			
Input Resistance	500KΩ			500KΩ			500KΩ			500KΩ			
Min. Operating Voltage(DC)(Typ.)	0.75V@315A			0.75V@525A			0.75V@735A			0.75V@945A			
	1.5V@630A			1.5V@1050A			1.5V@1470A			1.5V@1890A			
Constant Current Mode													
Operating Range	0~630A	0~63A	N/A	0~1050A	0~105A	N/A	0~1470A	0~147A	N/A	0~1890A	0~189A	N/A	
Accuracy of Setting	H,M,L		$\pm(0.2\% \text{ of set} + 0.1\% \text{ of f.s.}^1) + V_{in}^2/500 \text{ k}\Omega$										
Accuracy of Setting(Parallel)	H,M,L		N/A										
Resolution	30mA	3mA	N/A	50mA	5mA	N/A	70mA	7mA	N/A	90mA	9mA	N/A	
Constant Resistance Mode													
Operating Range	H	420.0048S~7.2mS			700.008S~12mS			980.0112S~16.8mS			1260.0144S~21.6mS		
		(2.38092mΩ~138.888Ω)			(1.42855mΩ~83.3333Ω)			(1.02039mΩ~59.5238Ω)			(793.641uΩ~46.2963Ω)		
	M	42.00048S~720uS			70.0008S~1.2mS			98.00112S~1.68mS			126.00144S~2.16mS		
(23.8092mΩ~1388.88Ω)			(14.2855mΩ~833.333Ω)			(10.2039mΩ~595.238Ω)			(7.93641mΩ~462.963Ω)				
L	N/A			N/A			N/A			N/A			
Accuracy of Setting	H,M,L		$\pm(0.5\% \text{ of set}^6 + 0.5\% \text{ of f.s.}^3) + V_{in}^2/500 \text{ k}\Omega$										
Resolution	7.2mS	720uS	N/A	12mS	1.2mS	N/A	16.8mS	1.68mS	N/A	21.6mS	2.16mS	N/A	
Constant Voltage Mode													
Operating Range	H	1.5V~150V			1.5V~150V			1.5V~150V			1.5V~150V		

	L	1.5V~15V			1.5V~15V			1.5V~15V			1.5V~15V		
Accuracy of Setting	H,L	$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$			$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$			$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$			$\pm(0.1\% \text{ of set} + 0.1\% \text{ of f.s})$		
Resolution	H,L	10mV / 1mV			10mV / 1mV			10mV / 1mV			10mV / 1mV		
Constant Power Mode													
Operating Range	H	315W~3150W			525W~5250W			735W~7350W			945W~9450W		
	M	31.5W~315W			52.5W~525W			73.5W~735W			94.5W~945W		
	L	N/A			N/A			N/A			N/A		
Accuracy of Setting	H,M,L	$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$			$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$			$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$			$\pm(0.6\% \text{ of set} + 1.4\% \text{ of f.s}^{*3})$		
Resolution		300mW	30mW	N/A	500mW	50mW	N/A	700mW	70mW	N/A	900mW	90mW	N/A
PARALLEL Mode													
Capacity		N/A											
Slew Rate													
Operating Mode		CC and CR			CC and CR			CC and CR			CC and CR		
Setting Range	H	48mA/us~16A/us			80mA/us~16A/us			112mA/us~16A/us			144mA/us~16A/us		
(CC mode)	M	4.8mA/us~1.6A/us			8mA/us~1.6A/us			11.2mA/us~1.6A/us			14.4mA/us~1.6A/us		
	L	N/A			N/A			N/A			N/A		
Setting Range	H	4.8mA/us~1.6A/us			8mA/us~1.6A/us			11.2mA/us~1.6A/us			14.4mA/us~1.6A/us		
(CR mode)	M	480uA/us~160mA/us			800uA/us~160mA/us			1.12mA/us~160mA/us			1.44mA/us~160mA/us		
	L	N/A			N/A			N/A			N/A		
Accuracy of Setting	H,M,L	$\pm(10\% \text{ of set}^{*9} + 5\text{us})$											
Resolution		18mA(1.6A/us~16A/us)			30mA(1.6A/us~16A/us)			42mA(1.6A/us~16A/us)			54mA(1.6A/us~16A/us)		
		1.8mA(160mA/us~1.6A/us)			3mA(160mA/us~1.6A/us)			4.2mA(160mA/us~1.6A/us)			5.4mA(160mA/us~1.6A/us)		
		180uA(16mA/us~160mA/us)			300uA(16mA/us~160mA/us)			420uA(16mA/us~160mA/us)			540uA(16mA/us~160mA/us)		
		18uA(1.6mA/us~16mA/us)			30uA(1.6mA/us~16mA/us)			42uA(1.6mA/us~16mA/us)			54uA(1.6mA/us~16mA/us)		

		1.8uA(160uA/us~1.6mA/us)	3uA(160uA/us~1.6mA/us)	4.2uA(160uA/us~1.6mA/us)	5.4uA(160uA/us~1.6mA/us)
		N/A	N/A	N/A	N/A
METER					
Voltmeter	Accuracy	±(0.1 % of rdg + 0.1 % of f.s)	±(0.1 % of rdg + 0.1 % of f.s)	±(0.1 % of rdg + 0.1 % of f.s)	±(0.1 % of rdg + 0.1 % of f.s)
Ammeter	Accuracy	±(0.2 % of rdg + 0.3 % of f.s)	±(0.2 % of rdg + 0.3 % of f.s)	±(0.2 % of rdg + 0.3 % of f.s)	±(0.2 % of rdg + 0.3 % of f.s)
Ammeter(Parallel Operation)	Accuracy	N/A			
DYNAMIC MODE					
Operation mode		CC and CR	CC and CR	CC and CR	CC and CR
T1 & T2		0.025mS ~ 10mS / Res : 1uS	0.025mS ~ 10mS / Res : 1uS	0.025mS ~ 10mS / Res : 1uS	0.025mS ~ 10mS / Res : 1uS
		1mS ~ 30S / Res : 1mS	1mS ~ 30S / Res : 1mS	1mS ~ 30S / Res : 1mS	1mS ~ 30S / Res : 1mS
Accuracy		1uS / 1mS ± 100ppm	1uS / 1mS ± 100ppm	1uS / 1mS ± 100ppm	1uS / 1mS ± 100ppm
Slew Rate(CC Mode)	H	48mA/us~16A/us	80mA/us~16A/us	112mA/us~16A/us	144mA/us~16A/us
	M	4.8mA/us~1.6A/us	8mA/us~1.6A/us	11.2mA/us~1.6A/us	14.4mA/us~1.6A/us
	L	N/A	N/A	N/A	N/A
Slew Rate(CR Mode)	H	4.8mA/us~1.6A/us	8mA/us~1.6A/us	11.2mA/us~1.6A/us	14.4mA/us~1.6A/us
	M	480uA/us~160mA/us	800uA/us~160mA/us	1.12mA/us~160mA/us	1.44mA/us~160mA/us
	L	N/A	N/A	N/A	N/A
Current Accuracy		±0.4%F.S.	±0.4%F.S.	±0.4%F.S.	±0.4%F.S.
Protection Function					
Overvoltage (OVP)		Turns off the load at 110% of the rated voltage			
Overcurrent (OCP)		0.6A~693A	1.0A~1155A	1.4A~1617A	1.8A~2079A
Overpower (OPP)		3W~3465W	5W~5775W	7W~8085W	9W~10395W
Overheat (OHP)		Turns off the load when the heat sink temperature reaches 95 °C			
Undervoltage (UVP)		Turns off the load when detected. Can be set in the range of 0 V to 150 V or Off.			
Reverse connection (REV)		By diode. Turns off the load when an alarm occurs.			
General Specifications					

Line Input	90VAC~132VAC/ 180VAC~250VAC, Single-phase; 47Hz~63Hz			
Power Max.(VA)	420VA	650VA	880VA	1110VA
Interface	USB/RS232C/Analog Control (Standard) ; GPIB(Optional)			
Weight(Approx.)	73kg	96.5kg	125kg	149kg
DIMENSIONS & WEIGHT	598(W)x877(H)x706(D)mm.	598(W)x877(H)x706(D)mm.	598(W)x877(H)x706(D)mm.	598(W)x877(H)x706(D)mm.

*1 Full scale of H range

*2 V_{in} : input terminal voltage of electronic load

*3 M range applies to the full scale of H range

*4 $Siemens[S] = Input\ current[A] / Input\ voltage[V] = 1 / resistance[\Omega]$

*5 Converted value at the input current. At the input current. It is not applied for the condition of the parrallel operation.

*6 $set = V_{in} / R_{set}$

*7 At the sensing point during remote sensing under the operating range of the input voltage. It is also applied for the condition of the parrallel operation.

*8 It is not applied for the condition of the parrallel operation.

*9 Time to reach from 10 % to 90 % when the current is varied from 2 % to 100 % (20 % to 100 % in M range) of the rated current.