PSM-Series Specifications

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

	PSM-2010	PSM-3004	PSM-6003
DC OUTPUT			
Low Range	0~8V/20A	0~15V/7A	0~30V/6A
High Range	0~20V/10A	0~30V/4A	0~60V/3.3A
CONSTANT VOLTAGE OPERATION			
Regulation + (% of output + offset)	Load regulation < 0.01% + 2mV Line regulation < 0.01% + 2mV		
Ripple & Noise	< 350 µVrms/3mVpp	< 350 µVrms/2mVpp	≦50V : < 500µVrms/3mVpp >50V : < 1mVrms/3mVpp
CONSTANT CURRENT OPERATION			
Regulation + (% of output + offset)	Load regulation < 0.01% + 250µA Line regulation < 0.01% + 250µA		
Ripple & Noise	< 2mArms		
RESOLUTION			
Programming Voltage	1mV	1mV	2mV
Programming Current	1mA	0.5mA	0.5mA
Readback Voltage	0.5mV	0.5mV	1mV
Readback Current	1mA	0.1mA	0.5mA
Front Panel Voltage	1mV		
Front Panel Current	1mA (<10A), 10mA (>10A)		
OVP/OCP Voltage	10mV		
OVP/OCP Current	10mA		
ACCURACY			
Programming Voltage	0.05% + 10mV		
Programming Current	0.2% + 10mA		
Readback Voltage	0.05% + 5mV		
Readback Current	0.15% + 5mA		
OVP/OCP Voltage	0.1% + 10mV		
OVP/OCP Current	0.4% + 10mA		
TRANSIENT RESPONSE			
	< 50µsec (for output to recover within 15mV following a change in output current from full load to half load)		
COMMAND PROCESSING TIME			
	100ms		
VOLTAGE PROGRAMMING RESPONSE TIME (for resistive load)			
Voltage Up Full Load	95mS	50mS	80mS
Voltage Up No Load	45mS	20mS	100mS
Voltage Down Full	30mS	45mS	30mS

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Load			
Voltage Down No Load	450mS	400mS	450mS
STABILITY (% of output + offset)			
Voltage	0.02% + 1mV		
Current	0.1% + 1mA		
MEMORY			
	Store/Recall 100 sets		
TEMPERATURE COEFFICIENT PER±(% of output + offset)			
Voltage	0.01% + 3mV		
Current	0.02% + 3mA		
INTERFACE			
	Standard : RS-232C, GPIB		
POWER SOURCE			
	AC100V/120V/220V±10%, 230V-6%~+10%, 50/60Hz		
DIMENSIONS & WEIGHT			
	230(W) x 140(H) x 380(D)mm Approx. 10kg		