

PSB-1000 Specifications

The specifications apply when the PSB-1000 is powered on for at least 30 minutes under +20°C~+30°C.

PSB-1000		1400L	1400M	1800L	1800M
OUTPUT RATING					
Output voltage(V)		0~40	0~160	0~40	0~160
Output current(A)		0~40	0~10	0~80	0~20
Output power(W)		400W	400W	800W	800W
REGULATION (CV)					
Load regulation (mV)		25	85	25	85
Line regulation (mV)		23	83	23	83
REGULATION (CC)					
Load regulation (mA)		45	15	85	25
Line regulation(mA)		45	15	85	25
RIPPLE & NOISE (Noise Bandwidth 20MHz ; Ripple Bandwidth = 1MHz)					
CV p-p		60	60	80	80
CV rms		7	12	11	15
CC rms		80	20	160	40
PROGRAMMING ACCURACY					
Voltage	0.1% +	10	50	10	50
Current	0.1% +	20	10	40	20
MEASUREMENT ACCURACY					
Voltage	0.1% +	10	50	10	50
Current	0.1% +	20	10	40	20
RESPONSE TIME					
Raise Time		50	100	50	100
Fall Time(Full load)		50	150	50	150
Fall Time(No load)		500	1200	500	1200
Load Transient Recover Time(Load change from 50 to 100%)		1	1	1	1
PROGRAMMING RESOLUTION (By PC Remote Control Mode)					
Voltage		1	3	1	3
Current		1	1	2	1
MEASUREMENT RESOLUTION (By PC Remote Control Mode)					
Voltage		1	3	1	3
Current		1	1	2	1
SERIES AND PARALLEL CAPABILITY					
Parallel Operation		Up to 4 units including the master unit			

Series Operation		Up to 2 units including the master unit			
PPROTECTION FUNCTION					
OVP		4-44	5-176	4-44	5-176
OCP		4-44	1-11	5-88	2-22
OHP		Turn the output off.			
FRONT PANEL DISPLAY ACCURACY, 4 digits					
Voltage	0.1% +	20	100	20	100
Current	0.1% +	20	10	40	20
ENVIRONMENT CONDITION					
Operation Temp		0°C to 40°C			
Storage Temp		-25°C to 70°C			
Operating Humidity		20% to 85% RH; No condensation			
Storage Humidity		90% RH or less; No condensation			
OTHER					
Analog Control		Yes			
Interface		USB/LAN/GPIB(Option)			
Power Source		100Vac to 240Vac, 50Hz to 60Hz, single phase			
Dimension & Weight		214×124×350			
		Approx. 5.2kg	Approx. 6.8kg	Approx. 5.2kg	Approx. 6.8kg

