

Bipolar DC Power Supply



Technical Specifications

		PSB30-5	PSB30-10	PSB40-12	PSB40-18
Power Supply Type		Bi-Polar, Two Quadrant			
Output Power		150 W	300 W	500 W	750 W
Output Voltage		± 30 V	± 30 V	± 40 V	± 40 V
Output Current		± 5 A	± 10 A	± 12.5 A	± 18.75 A
Line Regulation		< 0.5 %			
Load Regulation		< 0.5 %			
Output Stability		±100 ppm of the full-scale current for 8 hours after 1-hour warm-up			
Load Type		Resistive or resistive-inductive (electromagnet)			
Display		4 digits for both Voltage and Current			
Display Accuracy		± (1% + 2 D)			
Display scale	Voltage (V)	30.00	30.00	40.00	40.00
	Current (A)	5.00	10.00	12.50	18.75
Indicators		LED indicators for Output ON			
Remote Programming	Analog Programming (Standard)	External 25 pin D connector for remote programming			
	Ethernet (LAN) (Optional)	SCPI Commands, LAN Connector RJ45 on rear panel			
Protection		Over Current, Short Circuit, Over Temperature			
Interlock		Interlocks for over temperature and over current			
Front Panel controls		Mains ON/ OFF, Voltage and Current setting with multi-turn potentiometer			

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Mains Input	Universal AC input, Single phase, 90 ~ 270V, 50 / 60Hz (47 ~ 63Hz) Input connector: IEC320/C14, EN 60320/14			
Environment Conditions				
Operating Temperature	0 ~ +50°C			
Storage Temperature	-40 ~ + 85°C			
Safety	Insulation: Input to Output: 3750 V for 1 min Input to case: 2500 Vrms, Output to case: 600 V Insulation resistance: 100 MΩ at 25°C, 70% RH, 500 Vdc			
Dimension	W x D x H : 443 x 445 x 87 mm (2U, 19" Rack size) excluding connectors, terminals, switches, front and back panel controls, handles etc.			
Cooling	Natural air cooling			

Subject to change without notice

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