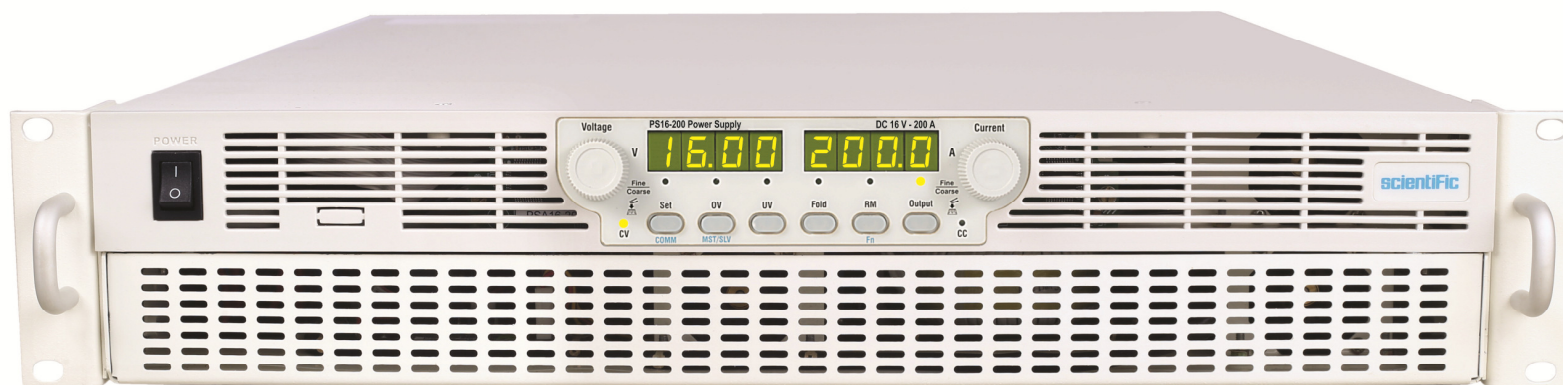


3200W Programmable DC Power Supply

MADE IN
INDIA



Technical Specifications

Parameter	PS16-200	PS20-160	PS32-100	PS40-80	PS60-52	PS80-40	PS100-32	PS120-26	PS160-20	PS300-10	PS400-8	PS600-5	PS800-4	PS1000-3
Output Voltage (V)	16	20	32	40	60	80	100	120	160	300	400	600	800	1000
Output Current (A)	200	160	100	80	53.3	40	32	26	20	10.6	8	5.3	4	3.2
Rated Power (W)	3200													
Efficiency at 230V, full load (%)	80	80	83	83	83	85	85	85	85	85	85	87	87	87
Constant Voltage Mode														
Load regulation 0 ~ 100% (mV)	6	7	8	9	11	13	15	17	21	35	45	65	85	105
Line Regulation (mV)	2	2	3	4	6	8	10	12	16	30	40	60	80	100
Ripple	BW= 5Hz~1MHz (mVrms)	8	10	10	12	15	15	15	18	20	60	75	100	250
	20 MHz (mpp)	75	75	75	75	80	80	100	110	120	200	300	480	750

Parameter		PS16-200	PS20-160	PS32-100	PS40-80	PS60-52	PS80-40	PS100-32	PS120-26	PS160-20	PS300-10	PS400-8	PS600-5	PS800-4	PS1000-3
		OVP Status : Fault = Logic 0, OK = Logic 1, OTP Status : Fault = Logic 0, OK = Logic 1, Remote Status : Remote = Logic 1, Local = Logic 0													
Remote shutdown		+5 V													
Remote Programing															
RS232 / USB / RS485		ADC : 16 Bits, DAC : 16 Bits													
Voltage Programing		Resolution : Better than 15 bit, Accuracy : 0.05% Vout + 0.05% Vrated													
Current Programing		Resolution : Better than 15 bit, Accuracy : 0.1% Iout + 0.1% Irated													
Monitor Voltage		Resolution : Better than 15 bit, Accuracy : 0.1% Vout + 0.1% Vrated													
Monitor Current		Resolution : Better than 15 bit, Accuracy : 0.25% Iout + 0.2% Irated													
OVL & UVL Programing		Resolution : Better than 15 bit, Accuracy : 0.05% Vout + 0.05% Vrated													
Front Panel controls:		Mains ON/ OFF, Voltage and Current setting with Encoders, Switch Settings: Set, Over Voltage, Under Voltage, Foldback, Remote & Output													
Indicators:		LEDs for : CV, CC, Over Voltage, Under Voltage, Foldback, Remote & Output ON													
Display:															
Accuracy		Voltage : $\pm (0.5\% + 2D)$, Current : $\pm (0.5\% + 2D)$													
Scale	Voltage (V)	0-16.00	0-20.00	0-32.00	0-40.00	0-60.00	80.00	0-100.0	0-120.0	0-160.0	0-300.0	0-400.0	0-600.0	0-800.0	0-1000
	Current (A)	0-200.0	0-160.0	0-100.0	0-80.00	0-53.33	40.00	0-32.00	0-26.66	0-20.00	0-10.66	0-8.00	0-5.33	0-4.00	0-3.20
Resolution	Voltage	10mV	10mV	10mV	10mV	10mV	10mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	1V
	Current	100mA	100mA	100mA	10mA	10mA	10mA	10mA	10mA	10mA	10mA	10mA	10mA	10mA	10mA
Protections:		Over voltage, Over current, Short Circuit, Fold Back, Over temperature													
Output Terminals		Bus bar with M5 bolts													
Mains Input		207 ~ 270V, 50 / 60Hz (47 ~ 63Hz)													
Power Factor		0.99 @ full load / 0.98 @ 50% load													
Turn On Delay		600 ms after mains switched ON													
Inrush current		< 50 A													
Hold up Time		20 ms													
Environment Conditions															
Operating Temperature		0 ~ +50°C; with 100% load; derated 75% at 60°C													
Storage		-40 ~ + 85°C													
Humidity		max. 95% non condensing at 40°C, max. 75% non condensing at 50°C													

Parameter		PS16-200	PS20-160	PS32-100	PS40-80	PS60-52	PS80-40	PS100-32	PS120-26	PS160-20	PS300-10	PS400-8	PS600-5	PS800-4	PS1000-3
Insulation		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													
Safety Standard		EN 60950-1 / IEC61010													
EMC Standards		ESD :EN 61000-4-2: 2009, Fast Transients :EN 61000-4-4: 2012 Conducted & Radiated Emission :EN 61000-6-3/CISPR 11 Conducted Immunity : EN 61000-4-6, Radiated Immunity : EN 61000-4-3 Voltage dips & Interruption : EN 61000-4-11 Harmonics : EN 61000-3-2, Flicker : EN 61000-3-3													
General Specifications															
Dimensions		W x D x H : 443 x 485 x 87 mm (2U, 19" Rack size) excluding connectors, terminals, switches, front and back panel controls, handles etc													
Weight		18.5kg (approx.)													
Cooling		Forced, variable fan speed													
Interfaces	Standard	Analog Programing, USB / RS232 / RS485													
	Optional	LAN													
Standard Accessories		Mains Cable, USB Cable, RS485 Cable													

Subject to change without notice

Notes: 1. Unit warm up time is 30 min. 2. Sensing at the rear panel of the power supply unit at sense terminals. 3. Minimum output voltage guaranteed to maximum of 0.2% Vrated. 4. Minimum output current guaranteed to maximum of 0.4% Irated. 5. For 0 ~ 10V analog programming, please contact us.

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