

PD-1000- Series Single Output Battery Charger



FEATURES

- 2/8 Stage smart charger for lead-acid batteries
- Microprocessor controlled power management
- PFC function PF>0.95
- Reverse polarity, Short circuit, Over voltage, Over Temp protection
- Built-in Temp.compensation
- Relay output status signal
- Remote ON/OFF control
- Fan speed control (depend on charging current)
- 3 colour LED indicator
- 3 years warranty

ENVIRONMENTAL

Operating Temp: -20 to +60°C (refer to output derating curve)

Storage Temp: -20 to +85°C

SAFETY / EMC (SEE NOTE 4)

CSA60355-1, EN60335-2-29
UL3101-1
IEC1010-1
EN61010-1

EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4
ENV50204 Light Industry level criteria A

ELECTRICAL SPECIFICATIONS

Model No.	PD-1000-XX		
XX	12	24	48
AC Input	90-264VAC PFC 47-63Hz		
DC Input	127-370VDC		
Efficiency (typical)	86%	87%	89%
DC Output	14.4V	28.8V	57.6V
Voltage	13.8V	27.6V	55.2V
Current	60A	34.7A	107.4A
Recommended Battery Amp Hours	135-400AH	70-210AH	35-105AH
Battery type	Open &	Sealed Lead	Acid
Temperature sense	By remote ntc		
Fast charge	2/8 stage	selectable	
Charging OK	Relay contact	(RY15)	
Output OK	Relay contact	(RY13)	
Temp coefficient	±0.05%/°C(0-50°		
Over Voltage	16-18V	32-35V	64.5-69.5V
Over Temperature	Protection type: shutdown o/p , re-power on to recover		
Remote control	RTH5>80°C		RTH5>85°C
Dimensions	Shut down O/P volts. Auto recover when temp. drops.		
Weight	Open:Normal P		Short:No Charge
	300(L) x 184(W) x 70(H) mm		
	3.5Kg		

- Notes:**
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Recommended Battery. Subject to manufactures specifications for their suggestions about maximum charging current limitation
 4. The power supply is considered a component which will be installed into a final equipment. The final equipment

Specifications subject to change without notice

Safety Power Group Ltd

9, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire. GU14 7QN

Tel: +44 (0) 1252 515565 Fax: +44 (0) 1252 546021

e-mail: sales@safety-power.com web: www.safety-power.com