

### Features:

- Universal AC input with active PFC
- High - performance 3-step charging effect
- Advanced 8 bit microprocessor control circuit
- Reverse battery protected by fuse
- Ignition protection
- Output short circuit protection
- Over power protection
- Easy to read LED's for system status
- Compact size, light weight



	Model No.	BP-1210A	BP-1205A	BP-2405A	BP-2403A
Output	DC Voltage Range	14.4V	14.4V	28.8V	28.8V
	Rated Current	10A	5A	5A	2.5A
	Current Range	0 ~ 10A	0 ~ 5A	0 ~ 5A	0 ~ 3A
	Rated Power (max.)	144W	72W	144W	72W
Input	Battery Charger Mode	3 - stage Battery Chargers ( Refer to Battery Charging Curve)			
	Indication LED	Refer to LED Status			
	Voltage Range	88 ~ 264VAC			
	Frequency Range	47Hz ~ 63Hz			
	Efficiency ( Typ. ) at 230Vac	80%	78%	83%	80%
	AC Current ( Max. )	1.9A / 90VAC	0.95A / 180VAC		
	Inrush Current ( Typ. )	Cold Start 30A / 230VAC			
Protection	Leakage Current	< 0.75mA / 240VAC			
	Over Load	102~110% rated output power Protection type : Constant current limiting, Hiccup mode, recovers automatically after fault condition is removed			
	Over Temperature	85°C ± 5°C ( TH1 ) detect on heat sink Protection type : Shut down output voltage, recovers automatically after temperature goes down			
Environment	Working Temp.	- 20°C ~ 50°C ( Refer to output load de-rating curve )			
	Working Humidity	20 ~ 90% RH non-condensing			
	Storage Temp., Humidity	- 40 ~ +85°C			
	Temp. Coefficient	± 0.03% / °C ( 0 ~ 50°C )			
	Vibration	10 ~ 500Hz, 1G 0.5Oct/min, period for 60min. Each along X,Y,Z axes			
Safety & EMC	Safety Standards	IEC 60950-1, 1st Edition ( 2001 ) ; EN 60950-1, 1st Edition ( 2001+A11 )			
	Withstand Voltage	I/P - O/P: 3KVAC I/P - FG: 1.5KVAC O/P-FG: 0.5KVAC, 1 minute			
	Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG: 100M Ohms / 500VDC			
	EMI Conduction & Radiation	EN 55022 : 2006 Class B			
	Harmonic Current	EN 61000-3-2 : 2006 ; EN 61000-3-3 : 1995+A1 : 2001+A2 : 2005 ; EN 55024 : 1998+A1:2001+A2 : 2003 ;			
	EMS Immunity	IEC 61000-4-2 Edition 1.2 : 2001-04 ; IEC 61000-4-4 : 2004 IEC 61000-4-5 Edition 1.1 : 2001-04 ; IEC 61000-4-6 Edition 2.1 : 2004-11 IEC 61000-4-8 Edition 1.1 : 2001-03 ; IEC 61000-4-11 Second Edition : 2004-03			
Others	Dimension ( L*W*H )	210 x 85 x 50 mm / 8.26 x 3.34 x 1.96 Inch			
	Packing	1 kgs / 2.2 Lbs.			