

**BP** series



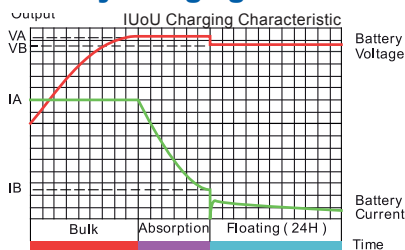
**144W 3-Step Battery Charger**

Cotek Battery charger BP "small battery charger " tried and tested millions of times 3 charging stages Technology for Lead/Gel batteries

**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
- Over power protection
- Easy to read LED's for system status
- Compact size, light weight
- Output short circuit protection

**Battery charging curve**



**LED Status**

Charging Status	LED Signal	LED Indiction
Bulk charge	.....	Fast green blink
Absorption charge	— — — — —	Slow green blink
Floating charge	—————	Solid green
Charging failure	— — — — —	red blink



Model	BP-1210	BP-1205 A	BP-2405 A	BP-2403 A
AC Voltage Range	85 ~ 264 VAC   125 ~ 373 VDC			
AC Frequency Range	47 ~ 63 Hz			
AC Current (Max.)	1.9 A/ 90 VAC, 0.95 A/ 180 VAC			
AC Inrush Current (Typ.)	Cold Start 30 A / 230 VAC			
Over Load	102 ~ 110% rated output power			
	Protection type: Constant current limiting, Hiccup mode, recovers automatically after fault condition is removed			
Over Temp.	85°C + 5°C (TH1) detect on heat sink			
	-20°C ~ +50°C (Refer to output load de-rating curve)			
Working Temp.	-20°C ~ +50°C (Siehe Ausgangslast Deratingkurve)			
Withstand Voltage	I/P – O/P: 3KVAC, I/P – FG: 1.5KVAC, O/P – FG: 0.5KVAC, 1 minute			
	EN55022 : 2006 Class B			
	EN61000-3-2:2006; EN61000-3-3:1995+A1:2001+A2:2005; EN55024:1998+A1:2001+A2:2003			
	IEC61000-4-2 Edition 1.2 : 2001 -04; IEC61000 -4 -4 : 2004			
	IEC61000-4-5 Edition 1.1 : 2001 -04; IEC61000 –4 -6 : 2004 Edition 2.1 : 2004 -11			
	IEC61000 -4 -8 Edition 1.1 : 2001 -03; IEC61000 -4 -11 : 2004 Second Edition : 2004 -03			
Dimmension	210 x 85 x 50 mm / 8.26 x 3.34 x 1.96 inch			
Packing	1.0kg / 2.2 Lbs			
Warranty	2 years			