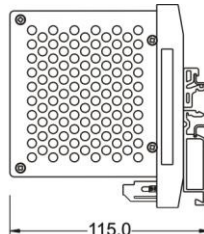
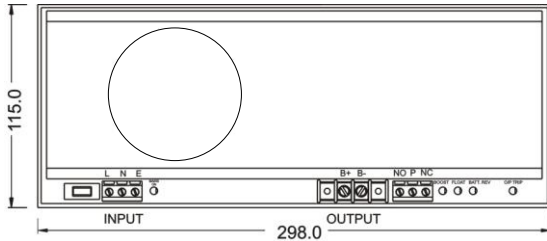


BATTERY CHARGER 500W



FEATURES

- Single Phase Input
- High reliability
- Built In Transient protector & EMI filter
- Low ripple & noise
- Cooling by Internal Fan with Automatic control
- Over Temperature Trip
- Current Limit : Yes
- LED Indications : Input OK, Float, Boost, Battery Reverse, Over Temperature Trip
- Low cost
- Compact



While connecting the battery keep charger powered OFF.

All dimensions in mm

INPUT	230V AC, +/-15%, 47-63Hz								
ISOLATION	Input – Output : 3KVAC, 1 minute Input – Earth : 2KVAC, 1 minute Output – Earth : 500VAC, 1 minute								
EFFICIENCY	70 ~ 75% with input 230VAC & full load at output								
INDICATIONS	MAINS ON	Green LED							
	BOOST ON	Red LED							
	FLOAT ON	Green LED							
	BATTERY REVERSE POLARITY	Red LED							
	OVER TEMPERATURE TRIP	Red LED							
	FUSE FAIL	Red LED							
PROTECTIONS	12V / 24V / 36V			48V					
	Short Circuit Auto Recovery Type Overload Protection Auto Recovery Type Battery Reverse Polarity through relay Over Temperature Trip Recovery Type Power ON/OFF			Short Circuit Fuse protection Overload Protection Auto Recovery Type Battery Reverse through Fuse protection Over Temperature Trip Recovery Type Power ON/OFF					
BATTERY DRAIN CURRENT DURING CHARGER OFF STATE	< 20µA			< 50µA					
CHARGER ON RELAY	1 C/O Contact Rated for 5A@230VAC/24VDC (Potential free contact)								
OPERATING AMBIENT	0 ~ 50°C, 95% RH								
STORAGE AMBIENT	-20°C to 85°C								
SAFETY STANDARD	IS 13252(Part 1):2010/IEC 60950-1:2005								
EMC STANDARD	Design refers to EN55022, EN55024								
APPROVAL / MARK	BIS MARKED								
TERMINATIONS	INPUT	Screw type, for 2.5mm sq. wire							
	OUTPUT	Screw type, for 6mm sq. wire							
MOUNTING	35mm Din Rail								
WEIGHT (MAX)	1680 grams								
ORDERING INFORMATION	INPUT VOLTAGE	AC	DC	OUTPUT			RIPPLE & NOISE	DIMENSIONS (W x H x D) (mm)	
	NOMINAL INPUT	230V	230V						
	INPUT RANGE	185 ~ 270V	220 ~ 360V	VOLTAGE					
	I/P FREQUENCY	47 ~ 63Hz	-						
	I/P CURRENT (max)	4.5A @230V	2.5A @230V	FLOAT	BOOST	BOOST CURRENT			
	INRUSH CURRENT	32A @230V	23A @230V						
	ORDER CODE	BCD-1240 (12V:40A)		13.00V ~ 13.40V	14.20V ~ 14.60V	40A			+/-1%
		BCD-2420 (24V:20A)		26.00V ~ 26.60V	28.40V ~ 28.80V	20A			+/-1%
		BCD-3613 (36V:13A)		39.30V ~ 39.90V	42.60V ~ 43.20V	13A			+/-1%
		BCD-4810 (48V:10A)		52.00V ~ 53.20V	56.80V ~ 57.60V	10A			+/-1%

Note: 1. All parameters measured at nominal input, rated load and 25°C of ambient temperature unless otherwise specified.
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 100µf parallel capacitor.
 3. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.
 4. If charger is switched ON without connecting battery & No load condition, then output voltage will be boost voltage +1V for 10-20 sec.