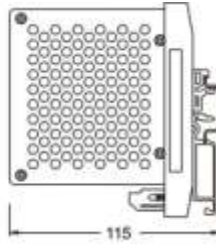
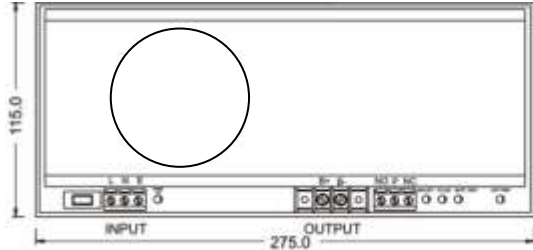


## BATTERY CHARGER 250W



### 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	>=85% 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 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 )	1350 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				
	I/P FREQUENCY	47 ~ 63Hz	-	VOLTAGE			
	I/P CURRENT (max)	2.5A @230V	1.4A @230V	FLOAT	BOOST	BOOST CURRENT	
	INRUSH CURRENT	32A @230V	23A @230V				
	ORDER CODE	BCD-1220 (12V:20A)		13.00V ~ 13.40V	14.20V ~ 14.60V	20A	+/-1%
		BCD-2410 (24V:10A)		26.00V ~ 26.60V	28.40V ~ 28.80V	10A	+/-1%
		BCD-3606 (36V:6.5A)		39.30V ~ 39.90V	42.60V ~ 43.20V	6.5A	+/-1%
		BCD-4805 (48V:05A)		52.00V ~ 53.20V	56.80V ~ 57.60V	5A	+/-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.