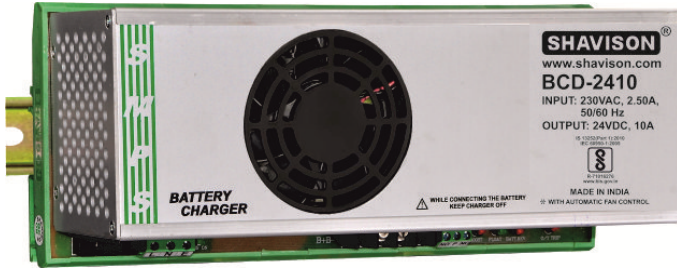
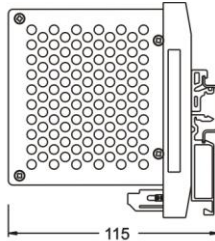
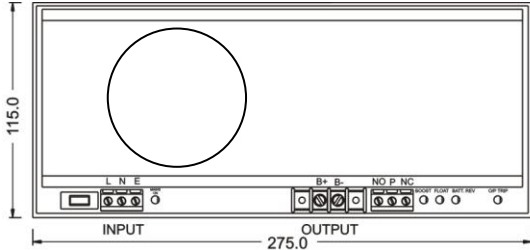


BATTERY CHARGER 250W



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	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 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	FLOAT	BOOST			
	INPUT RANGE	185 ~ 270V	220 ~ 360V	BOOST CURRENT				
	I/P FREQUENCY	47 ~ 63Hz	-					
	I/P CURRENT (max)	2.5A @230V	1.4A @230V					
	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.