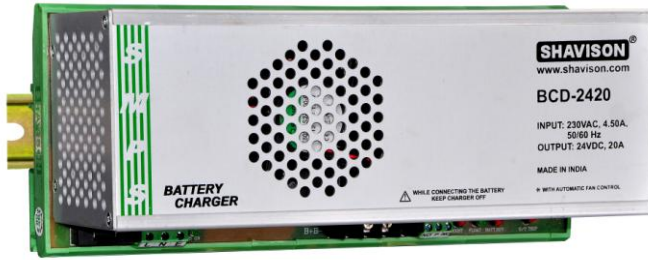
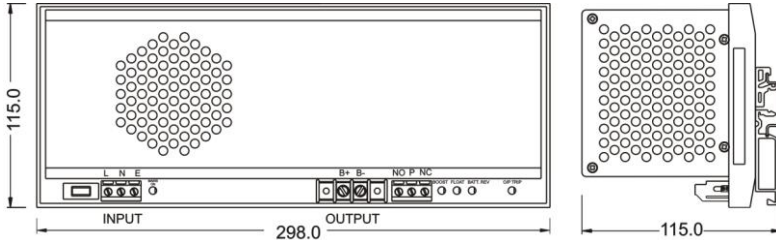


## BATTERY CHARGER 500W



### FEATURES

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



While Connecting Battery Keep Charger OFF.

All dimensions in mm

<b>INPUT</b>	230V AC, +/-15%, 47-63Hz								
<b>ISOLATION</b>	Input – Output : 1.5KVAC, 1 minute Input – Earth : 1.5KVAC, 1 minute Output – Earth : 500VAC, 1 minute								
<b>EFFICIENCY</b>	70 ~ 75%								
<b>INDICATIONS</b>	<b>MAINS ON</b>	Green LED							
	<b>BOOST ON</b>	Red LED							
	<b>FLOAT ON</b>	Green LED							
	<b>BATTERY REVERSE POLARITY</b>	Red LED							
	<b>OVER TEMPERATURE TRIP</b>	Red LED							
<b>PROTECTIONS</b>	Short Circuit Auto Recovery Type Overload Protection Auto Recovery Type Battery Reverse Polarity Over Temperature Trip Recovery Type Power ON/OFF								
<b>CHARGER ON RELAY</b>	1 C/O Contact Rated for 5A@230VAC/24VDC								
<b>BATTERY DRAIN DURING CHARGER OFF STATE</b>	< 20uA								
<b>OPERATING AMBIENT</b>	0 ~ 50°C, 95% RH								
<b>STORAGE AMBIENT</b>	-20°C to 85°C								
<b>TERMINATIONS</b>	<b>INPUT</b>	Screw type, for 2.5mm sq. wire							
	<b>OUTPUT</b>	Screw type, for 6mm sq. wire							
<b>MOUNTING</b>	35mm Din Rail								
<b>WEIGHT ( MAX )</b>	1650 grams								
<b>ORDERING INFORMATION</b>		<b>NOMINAL INPUT : 230VAC/DC</b>							<b>DIMENSIONS (W x H x D) (mm)</b>  298 x 115 x 115
	<b>INPUT VOLTAGE</b>	<b>AC</b>							
	<b>INPUT RANGE</b>	180 ~ 270V							
	<b>IP FREQUENCY</b>	47 ~ 63Hz		<b>VOLTAGE</b>					
	<b>IP CURRENT (max)</b>	4.5A max		<b>FLOAT</b>	<b>BOOST</b>	<b>BOOST CURRENT</b>	<b> RIPPLE &amp; NOISE</b>	<b> OVERVOLTAGE PROTECTION</b>	
	<b>INRUSH CURRENT</b>	32A @230V							
	<b>ORDER CODE</b>	BCD-2420 (24V:20A)		26.40V	29.50V	20A	+/-1%	< 32V	
		BCD-3613 (36V:13A)		39.60V	43.60V	13A	+/-1%	< 45V	
BCD-4810 (48V:10A)		52.80V	58.50V	10A	+/-1%	< 63V			

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 0.1uf & 100uf parallel capacitor.  
3. Ensure clearance of minimum 35mm from adjacent components for proper ventilation.