

## BATTERY CHARGER 12V 20A

### TECHNICAL SPECIFICATION

<b>ITEM DESCRIPTION</b>	<b>BATTERY CHARGER Part No. :ST -240-12</b>
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<b>PARAMETER</b>		<b>SPECIFICATION</b>
1	Input voltage range	170V to 270V AC, 50Hz
2	Nominal output voltage	13.5V to 13.8V DC
3	Rated output current	20A
4	Output current limit	18A
5	Output voltage regulation	14V to 14.5V DC
6	Switching frequency	≈100 KHz
7	Efficiency	>80%
8	Ripple/Noise peak-peak	≤ 250mV without battery connected at the output
9	Minimum load condition	No minimum load requirement for voltage regulation or operation of the Battery charger
10	Input / Output connector	PBT Connector for I/P & O/P
11	Storage temperature	-20 to 65°C
12	Operating temperature	0 to 50°C
13	Humidity	95% RH
14	LED indications	a. AC mains present :Red LED b. Float Green LED c. Boost Yellow LED d. Battery Reverse Red LED
15	Protections	a. Fuse at the input 3A b. Isolation of ≥1.5 KV between input & output c. Protection against output short circuit with auto restart d. Protection against transient / surge at input through proper rated MOVs  e. Input Over voltage(270V)
16	Over Box Dimension	245x170x65 mm
17	Cooling	Fan convection (operates on load above 2A)

Prepared By

Approved By