

130W

Automatic Lithium-ion Battery Chargers

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Series



Features:

- Switch mode charger with universal input voltage
- Multi-steps chargers feature pre-charging and wrong /bad battery identification
- LED indicator for charging status
- Automatic cut-off when battery attains full charge
- Backfeed protection(BFP)
- Protected against reverse polarity and short circuit
- Battery charger approved (EN60335-2-29 and UL1310)
- Meet DOE regulations efficiency Level VI



Model	O/P Voltage	O/P Current	Number of Batteries
IN085YYY	8.5V	5 - 6.5A	2S
IN126YYY	12.6V	5 - 6.5A	3S
IN168YYY	16.8V	5 - 6.5A	4S
IN210YYY	21V	4.5 - 5A	5S
IN255YYY	25.2V	3.5 - 4.5A	6S
IN290YYY	29.4V	3.5 - 4.2A	7S
IN340YYY	33.6V	2.5 - 3.5A	8S
IN425YYY	42V	2 - 3A	10S
IN510YYY	50.4	1 - 2.3A	12S
IN550YYY	54.6	1 - 2.3A	13S
IN580YYY	58.8	1 - 2.2A	14S

Electrical	
Dielectric Withstand	3000Vac Primary-Secondary
Leakage Current	<1 mA at 240Vac/50Hz
Efficiency	Meet DOE Level VI
MTBF	40,000 Calculated Hours at 25°C

Input	
Input Voltage	100-240Vac
Input Frequency	47-63Hz
Input Current	2.5A Max
Earth Leakage Current	<1 mA at 240 Vac/50Hz
Power Factor	>0.6
No Load Input Power	<0.5W
Input Protection	Internal T5A/250V fuse in line

Environmental	
Operating Temperature	-10°C - +40°C
Storage Temperature	-20°C - +85°C
Relative Humidity	5% - 95%
Cooling	Natural Convection Cooling

Output	
Load Regulation	+/-5% Max
Ripple & Noise	1-3% Max
Transient Response	0.5mS for 50% Load Change Typical
Holdup time	>8 mS at 115Vac @ full load
	Reverse Polarity Protection
Protection	Backfeed Protection(BFP)
	Short Circuit Protection

Safety Certification	
UL/cUL1012	Power unit other then Class 2
EN60335-2-29	Household and similar electrical appliances Safety part 2-29;
AS NZS60335-2-29	Particular requirements for battery chargers

Mechanical	
Case Dimension	L166 x W66 x H38.5(mm)
Weight without power cable	0.5kgs

EMC	
Emissions	EN55014, Class B
Harmonic current	EN61000-3-2 Class A
Voltage flicker	EN61000-3-3 Section 5
ESD Immunity	IEC61000-4-2
EFT Burst	IEC61000-4-4
Surge	IEC61000-4-5
Conducted Immunity	IEC61000-4-6
Dip & Interruptions	IEC61000-4-11



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