

Class II Lithium-ion Battery Chargers

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80W

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
IN042YYYY	4.2V	4A Max.	1S
IN085YYYY	8.5V	4A Max.	2S
IN126YYYY	12.6V	4A Max.	3S
IN168YYYY	16.8V	4A Max.	4S
IN210YYYY	21V	3A Max	5S
IN255YYYY	25.2V	2.5A Max	6S
IN290YYYY	29.4V	2A Max	7S
IN340YYYY	33.6V	1.5A Max	8S
IN425YYYY	42V	1.5A Max	10S

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	2A Max
Earth Leakage Current	<1 mA at 240 Vac/50Hz
Power Factor	0.6
No Load Input Power	<0.5W
Input Protection	Internal T3.15A/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/cUL 1310	Class II Battery Charger
EN60335-2-29	Household and similar electrical appliances Safety part 2-29;
AS NZS60335-2-29	Particular requirements for battery chargers

Mechanical	
Case Dimension	L132 x W58 x H31(mm)
Weight without power cable	0.3kgs

EMC	
Emissions	EN55014, Class B
Harmonic current	EN 61000-3-2 Class A
Voltage flicker	EN 61000-3-3 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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