

## Class II Lead Acid Battery Chargers

80W

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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
IN150YYYY	14.7V	4A Max.	1S
IN290YYYY	29.4V	2A Max.	2S

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	L 132 x W58 x H31(mm)
Weight without power cable	0.3kgs

EMC	
Emissions	EN55014, Class B
Harmonic currents	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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