

# Automatic Battery Charger

## iPower Series [Large Range]

Product Specifications



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## Specified Models [Large Range]

### Output 12V

- ip-1260 (12V : 60A)
- ip-1270 (12V : 70A)
- ip-12100 (12V : 100A)

### Output 24V

- ip-2460 (24V : 60A)
- ip2-2460 (24V : 60A) <iPower2>
- ip2-2480 (24V : 80A)
- ip-2490 (24V : 90A)
- ip-24100 (24V : 100A)
- ip-24120 (24V : 120A)

*\*Note that custom made situations are also available!*

## Product Features

- ✓ Automated Battery Chargers for Lead-Acid Batteries
- ✓ 3-step charge control
- ✓ Temperature compensated fan control (°C) heat sensor located externally
- ✓ Unaffected by fluctuations in mains voltage
- ✓ Protected against reverse polarity and short circuit proof



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## Charge Currents, Dimensions and Weight

Specifications		Charge Current (A)	Dimensions (mm)	Weights
Model				
Output 12V	<i>ip-1260</i>	60A	L380 × B155 × H190	5.8 kg
	<i>ip-1270</i>	70A	L380 × B155 × H190	6.0 kg
	<i>ip-12100</i>	100A	L380 × B300 × H130	7.7 kg
Output 24V	<i>ip2-2460</i>	60A	L380 × B155 × H190	5.8 kg
	<i>ip-2460</i>	60A	L380 × B300 × H130	7.7 kg
	<i>ip2-2480</i>	80A	L380 × B300 × H130	8.0 kg
	<i>ip-2490</i>	90A	L380 × B300 × H195	12.0 kg
	<i>ip-24100</i>	100A	L380 × B300 × H195	10.5 kg
	<i>ip-24120</i>	120A	L380 × B300 × H240	14.5 kg

## Technical Specifications

Technical specifications		Output 12V	Output 24V
Line frequency		198-264 VAC	
Input voltage		47-63 Hz	
Charge voltage (2 step IUU)	<i>Cycle mode</i>	13.8V	28.0V
	<i>Standby mode</i>	13.5V	26.5V
Temperature coefficient		-3 to -4mV/°C pr cell	
Leakage current from battery with mains switched off		< 0,5mA 12 V	
Ripple		< 100 mV p-p	
Efficiency (at 100% load)		> ca 83%	
Switch frequency approx		66 kHz	



Technical specifications		Output 12V	Output 24V
Temperature range	<i>Operating</i>	-25°C to +40°C	
	<i>Storage</i>	-25°C to +85°C	
Protection		Short circuit proof/Against reversed polarity	
Over-temperature protection		Over-temperature	
Safety		EN 60335-2-29	
Insulation class		I	
Insulation voltage	<i>Primary – ground</i>	1500 VAC	
	<i>Primary – secondary</i>	4000 VAC	
Secondary – ground		500 VAC	
EMC standards	<i>Emission</i>	EN 60000-6-3	
	<i>Immunity</i>	EN 61000-6-1	
Indication (Level Meter)	<i>Red (Constant current)</i>	20A or 25 A	15 A or 20A
	<i>Green (Constant voltage, standby)</i>	13.5 V	26.5 V
Terminals		Copper Screw terminals	
IP-grade		20	

*End of Specifications Document*