

Automatic Battery Charger

iPower Series [Small Range]

Product Specifications



LING-E&E SDN. BHD.
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Specified Models [Small Range]

Output 12V

- ip-1220 (12V : 20A)
- ip-1240 (12V : 40A)

Output 24V

- ip-2415 (24V : 15A)
- ip2-2420 (24V : 20A) <iPower2>
- ip-2430 (24V : 30A)
- ip2-2440 (24V : 40A) <iPower2>
- ip-2445 (24V : 45A)

**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-1220</i>	20A	L380 × B155 × H130	2.6 kg
	<i>ip-1240</i>	40A	L380 × B155 × H130	3.8 kg
Output 24V	<i>ip-2415</i>	15A	L380 × B155 × H130	2.6 kg
	<i>ip2-2420</i>	20A	L380 × B155 × H130	2.6 kg
	<i>ip-2430</i>	30A	L380 × B155 × H130	3.8 kg
	<i>ip2-2440</i>	40A	L380 × B155 × H130	3.8 kg
	<i>ip-2445</i>	45A	L380 × B300 × H130	5.6 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>	13.4V	27.0V
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