

Universal Battery Charger

Technical Specifications

	Universal Battery Charger - 5A	Universal Battery Charger - 15A
AC Input Voltage Range	150V – 275V	
Battery types that can be charged	11.1V Lithium-ion (Li-ion) battery 14.8V Lithium-ion (Li-ion) battery 12.8V Lithium Ferro Phosphate (LiFePO4) battery 12V Lead Acid – Flat Cell (FLA) battery 12V Lead Acid – Gel battery	
Maximum Charging Current	5A fixed	Adjustable from 1A – 15A
Maximum Power Output	80W	185W
Battery Charging modes	Deep discharged charging mode (For deep discharged Li-ion battery) Bulk charging mode Absorption charging mode Trickle charging mode	
Max. Charging current	Fixed: 5A	Adjustable 1A to 15.0A (subject to max. output power)
LCD display	No	Yes Displays Battery Voltage, Battery charging current, Battery status
LED Indication	Green LED – Charging indication Red LED - Fault	
Active PFC	Yes	Yes
Power Factor	Over the entire input voltage range For load \geq 50%: > 0.95 For load \geq 25%: > 0.88	Over the entire input voltage range For load \geq 50%: > 0.98 For load \geq 25%: 0.96
Protections	Battery reverse terminal protection, Short-circuit protection, Battery overcharge protection,	
Surge protection	4 KV (Differential and common mode)	
Inline protection	4A Glass fuse	
Cooling	Convection cooling	Fan cooling
Efficiency	$\frac{1}{4}$ load: 72%, $\frac{1}{2}$ load 75%, $\frac{3}{4}$ load: 82%, Full load: 81%	$\frac{1}{4}$ load: 77%, $\frac{1}{2}$ load: 85% Full load: 88%
Operating Ambient Temperature	0 C to 45 deg C	
Length of terminal wires	1.5 meter cable with insulated clamps	
Product Dimensions	240mm (W) x135mm (D) x 85mm (H)	250mm (W) x 200mm (D) x 110mm (H)
Product Weight	2.0 Kg	3.5 Kg