



# MECTRONICS

SMART POWER.  
SUPERIOR PERFORMANCE.

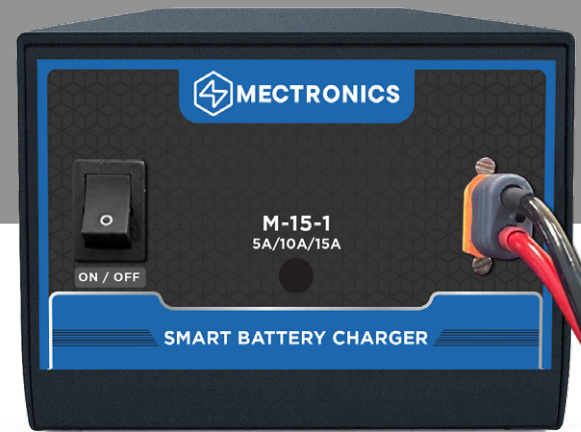
## INTELLIGENT LEAD ACID BATTERY CHARGER

# M-15-1

## Independent Channel Battery Charger

### Special Features:

- 5-stage profile
- 16V recovery overcharging
- Charges ultra-deep-discharged batteries down to 3V
- High efficiency and low noise
- Ultra light weight & compact
- Digital control & keys with OLED display
- 30A removable XT connector
- IoT platform (Optional)



### Technical Specifications :

Input Voltage Range	150VAC - 270VAC
Input Frequency	45Hz- 55Hz
Efficiency	= 90%
Operating Temperature	0°C to +45°C
Operating Humidity	5% to 95% Non-condensing
Cooling	Forced Air Cooling with High Reliability Fan
Battery System (Nominal V)	12V
Battery Types	Lead-Acid
Charge Start Voltage	3V
Charge End Voltage	16V
Maximum Battery Charging Current	15A
Maximum Output Power	240W
Output Voltage Regulation	< 1% of Nominal Voltage
Protections	Input surge, Input Under/Over Voltage, Over Temp., Battery Reverse Polarity, Short Circuit
Front Indications	Digital Voltmeter indicating Battery Voltage & Red LED When Fault Protection Active
Enclosure Protection	IP-20
Operating Altitude	1000m Above Sea Level at Rated Maximum Operating Temperature (2000m Maximum with 1% Power De-rating Per Additional 100m Above 1000m)
Dimensions (Excluding connectors) Single Unit	77mm x 102mm x 175mm (D x W x H)
Weight (approx.)	1 Channel: 1.15Kg.

