ALVOLTA
BUILT FOR POWER



ALVOLTA ORBIT 12V 30A DC-DC CHARGER

ALV-DC1212-30

Key Features:

- Suitable for Isolated Systems
- Two Charging Modes
- Supports Various Battery Chemistries
- Built-in Bluetooth
- Advanced Safety Features

Suitable for:

3 YEAR WARRANTY

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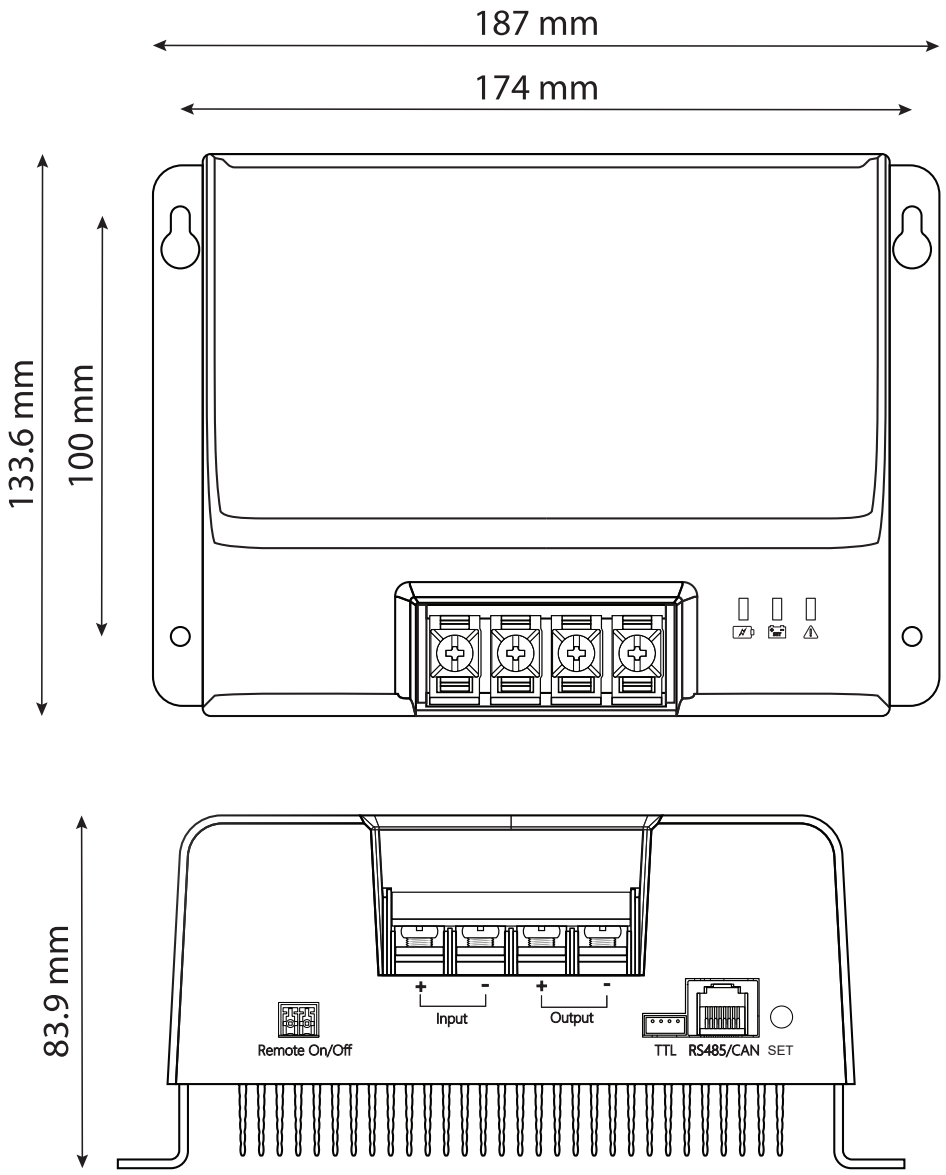
Specifications:

Charging	
Input Voltage Range	10 - 16V
Alternator System Voltage	12V
Compatible Alternator Types	Traditional, Intelligent & Custom Alternators
Battery System Voltage	12V
Power	
Input Voltage Range	10 - 16V
Battery System Voltage	12V
Nominal Output Voltage	12.2V
Output Voltage Range	10 - 16V
Rated Output Current	30A
Compatible Battery Types	Lithium, Sealed Lead-Acid, Gel , Vented & Open Batteries
Connection Type	16-6mm Cable Lug
Maximum Cable Size	20mm²
Protection	
Battery Not Connected Alarm	Yes
Battery Under-Voltage Alarm	Yes
Battery Over-Discharge	Yes
Battery Over-Voltage	Yes
Generator Over-Voltage	Yes
Power Output Terminal Over-Voltage	Yes
Output Short-Circuit Protection	Yes
Internal Over-Temperature Protection	Yes
Internal Over-Temperature Alarm	Yes
Output Over-Load Protection	Yes
General	
Static Power Consumption	Power Mode: <90mA @ 12V, Charging Mode: <30mA @ 12V
Communication	Bluetooth, TTL, RS485 and CAN (RV-C)
Remote On/Off	Yes
Maximum Conversion Efficiency	94%
Operating Temperature Range	-35°C - +65°C
Ingress Protection	IP43
Cooling Method	Natural heat dissipation
Colour	Black
Dimensions (w x h x d)	187 x 133.6 x 83.9mm
Weight	2.1kg
Warranty	3 Years

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Model Dimensions:



- Mounting hole size: 4.5mm

*All data and specifications provided in this datasheet are tested under standard test conditions, and may deviate marginally from actual values. Alvolta and its associates reserve the right to make modifications to the provided information without notice. Alvolta maintains the goal to supply customers with the most recent information regarding its products.