



Charging & Balancing System

1590 Series Charger

Item	Specification
Description	Lithium-Ion / LiFePO4 Charger + Balancing system, calibrated according to customer requirements
Charging Method	CC-CV
Charging Voltage	According to charger calibration ($\pm 0.2V$)
Charging Current	Up to 10A / 400W (net)
Balancing	<ul style="list-style-type: none">- Up to 14 cells in series- Up to 0.5A per cell
Electronic System	<ul style="list-style-type: none">- Lithium-Ion Charging system- Balancing system- Battery status (Charging + Balancing) – LCD display- SOC: Full / Storage- Battery thermal protection during charge- Battery recovery function – Slow charge in low voltage
Charger + Balancer Safety Systems	<ul style="list-style-type: none">- Reverse polarity- Over charge on each cell- Under voltage permit to charge
Input Voltage	110-230VAC, 50Hz
Charge Connector	D-Type 17W2 Male
Inlet AC Connector	3 Pin IEC 320 C14 socket
Switches	<ul style="list-style-type: none">- “ON/OFF switch”- SOC button selector
Output Data	RS232 connection (RS232 cable not supplied)
Charging Temperatures	0 - +40°C
Case	Amicell case – D205 x W140 x H180
State Of Charge - SOC level Selector	<ul style="list-style-type: none">- 2 States of charge: ~60%, 100%- Note: This option MUST be decided upon charger activation and cannot be changed once charging starts. To change charging level, turn off and restart the charger