

Charging & Balancing System

1582 Series Charger

Item	Specification
Description	Lithium-Ion/Polymer Charger + Balancing system, calibrated according to customer request
Charging Method	CC-CV (Constant Current - Constant Voltage)
Charging Voltage	According to charger calibration ($\pm 0.2V$)
Charging Current	Up to 10A / 600W
Electronic System	<ul style="list-style-type: none"> - Lithium-Ion Charging system - Balancing system - Battery status display (Charging + Balancing) – OLED display - SOC levels: Full / Storage / Transportation - Battery thermal protection during charge - Battery recovery function – slow charge in low voltage - Electronic Load 150W
Charger + Balancer Safety Systems	<ul style="list-style-type: none"> - Reverse polarity protection - Overcharge protection on each cell
Input Voltage	9-36VDC
Charge Connector	D-type 21WA4 Male/ D-type 17W2 Male
Inlet Connector	Anderson PP-15-45 x 2 (Red/Black)
Switches	- ON/OFF switch - SOC button selector
Output Data	RS232 connection (RS232 cable not supplied)
Charging Temperature Range	0 - +40°C
Case Dimensions	Amicell case – D240 x W120 x H230
State of Charge (SOC) Level Selector	
Feature	Details
SOC Charge Levels	~30%, ~60%, 100%
User Control	<p>The user selects SOC level per channel.</p> <p>System automatically charges/discharges to reach the selected level.</p>
Note	This option must be set before activation and cannot be changed during charging. To change SOC level, turn off and restart the charger.
Additional Features & Options	
Feature	Description
Internal Memory Card Reader	Can store battery data such as serial number, manufacturing date, and cycle count.
Mode Test	Runs a test on the battery pack, checking SOC and voltage drop under load.
Automatic Timer	Option to disconnect charger automatically after 17 hours .
OEM Labeling	Charger can be branded as OEM per customer request.