

General

Product name	: Apple			
Product description	: 12VDC Battery Charge Regulator			
Operating Temperature	: -10°C to +55°C			
Storage Temperature	: -40°C to +85°C			
Standard Available Types	Apple 5	Apple 10	Apple 15	Apple 20
Available Current Output/Input Model	5 Ampere	10 Ampere	15 Ampere	20 Ampere

Electrical:

Nominal operating Voltage	: 12VDC
Self consumption	: 4 mA
Low Voltage Buzzer Warning Level	: 11.70 V +/- 0.10 V
Low Voltage disconnect	: 11.60 V +/- 0.10 V
Load Reconnect level	: 12.60 V +/- 0.20 V
Boost Charge Level @25°C	: 14.5V +/- 0.10 V (with Temperature compensation 0.02V/ deg c)
PWM float Charge level	: 14.0V +/- 0.10 V (with Temperature compensation 0.02V/ deg c)

Level Indicator

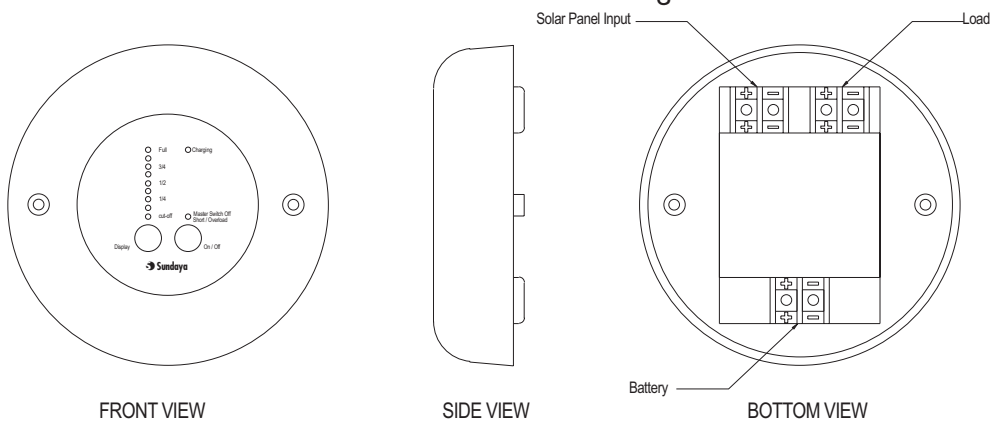
Power consumption (on/off)	: 0.1 A (max) / 0 A
Battery low Condition (0%)	: 11.6 +/- 0.05 V
Battery Full Condition (100%)	: 12.60 V +/- 0.10 V
Indicator for Battery State of Charge	: (0 - 100%) LED bar (8 steps) with push button switch
Other indicators	: - Indicator for Charging mode condition - Indicator for Master Switch Off , Short/Overload condition - Indicator for battery cut-off condition

Mechanical

Wiring & Terminals : 8mm width Input terminal for battery (bottom side)
8mm width Input terminal for solar panel (top side)
8mm width Output terminal for Load (top side)

Enclosure Materials	:	Fireretardant ABS / UV stabilized
Enclosure Color	:	Light Green
Connector material	:	Brass / Nickel plated
Product dimensions (HxDia)	:	40mm x 120mm
Nett product weight	:	0.20 kg

Mechanical Product Drawing



Protection and Certifications

Reverse Polarity Protection	: Yes
Short Circuit Protection	: Yes
Over Load Protection	: Yes
Surge Protection	: Yes
Enclosure protection class	: IP 42
CE Compliance	: Yes
C-Tick Compliance	: Yes
SNI Compliance	: Yes

Packing Details

Standard packaging : 1 pcs.
Packing Dimensions (LxWxH) : 156 x 130 x 40 mm
Volume / Pcs. per m3 : 0.00095 m3 / 1050pcs. per m3

Because of continuous research and development of our products the information and specifications in this data sheet are subject to change without prior notice.