

180W Solar Power Modules

LTA-SLP180-B1200



- 180 W single-crystal silicon solar panel with higher covert efficiency (22%)
- Support battery management, battery display, battery high-low temperature protection, charge-discharge protection, low-battery sleep protection, and remote wakeup
- 1200 Wh lithium iron phosphate battery offers enhanced safety and supports 2,000 charging cycles (battery health $\geq 70\%$)
- LED indicators display battery percentage, and charging/discharging status, making maintenance easier
- Support RS-485 battery info. retrieval and low-power protection (prevents frequent power cycling caused by power fluctuations in low-power conditions)
- Water and dust resistant (IP66)

• Specification

Interface	
RS-485	1 RS-485 (half duplex, connect to Solar Power 4G Network Camera Kit, 9600 bps)
Power Output	11.6 to 14.6 VDC (max. 120 W) & 24 VDC (max. 60 W)
General	
Material	Battery: Lithium Iron Phosphate, Bracket: Q235B, Solar panel: single-crystal silicon
Dimension	1290 mm × 735.4 mm × 496.8 mm (50.79" × 28.95" × 19.56") (Max. size after it is completely assembled)
Package Dimension	Panel: 1360 mm × 830 mm × 100 mm (53.54" × 32.68" × 3.94") Battery: 860 mm × 235 mm × 160 mm (33.86" × 9.25" × 6.3")
Weight	Approx. 51.15 lb (23.2 kg.) Approx. 27.34 lb (12.4 kg.)
With Package Weight	Approx. 60.85 lb (27.6 kg.) Approx. 33.07 lb (15 kg.)
Battery	
Battery Type	Lithium Iron Phosphate
Capacity	1200 Wh
Battery Voltage	12.8 VDC
Operating Temperature	Charging: 0 °C to 55 °C (32 °F to 131 °F) Discharging: -20 °C to 55 °C (-4 °F to 131 °F)
Battery Life	More than 2,000 cycles (25 °C ± 2 °C)
Battery Weight	Approx. 6.0 lb (2.74 kg.) (1.5 lb (0.685 kg.) for each battery)
Approval	
EMC	EN 55032:2015+AC:2016+A1:2020+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A2:2021/AC:2022
Environment	CE-RoHS (2011/65/EU) WEEE (2012/19/EU) Reach (Regulation (EC) No 1907/2006)
Protection	IP66

▪ Dimension

