

CP-SL06K

Solar Panel Kit with built-in Battery

- The maximum power output is 30W.
- Backup time 12 Hours (Assumption based on 76.8Wh Battery Capacity and 5.5 Watt continuous load)
- Indications LED Battery charging: Green Blink
- Indications LED Full charge: Green ON
- Indications LED Battery discharge: Red ON



About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.



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Solar Panel Kit with built-in Battery

Feature	Specification
Input - Solar Panel	
Cell Type	Monocrystalline
No. of cells	32
Open circuit voltage	22.9 V +/- 10%
Short circuit current	1.59 A +/- 10%
Voltage at Maximum power	19.25 V +/- 10%
Current at Maximum power	1.56 A +/- 10%
Maximum Power	30 W
Nominal Operating Cell Temperature	45 °C ± 2 °C
Panel operating Temperatures	-20 °C to +65 °C
Superstrate	High transmission low iron AR Coated tempered glass
Dimensions	510mm x 425mm x 17mm
Battery	
Charge current	Up to 1.5 A (Depends on Solar irradiation and Battery SOC)
Configuration	4S-1P
Capacity	76.8Wh
Nominal Voltage	12.8V
Discharge Cutoff Voltage	10V +/- 10%
Charge Cutoff Voltage	14.6V +/- 10%
Cycle Life	1000 @ 90% DOD
Working Temperature	0°C~60°C (Discharge), 0°C~45°C (Charge)
Battery packaging	PVC Sleeve

Feature	Specification
Weight	590(±15) g
Dimensions	70 mm x 130 mm x 35 mm (±10) mm
Output - To Load	
Voltage During Charging	12V (+/- 10%), Will be adjusted slightly based on Cable length
Voltage During Discharging	12V (+/- 10%), Will be adjusted slightly based on Cable length
Maximum Load Current During Charging	1A
Maximum Load Current During Dis-Charging	1A
Over Load and Short circuit protection on Output	1.2 A Using PTC
Cable Length	3 Mtr.
Charge and Backup time Analysis	
Load	12 Watt Camera load (Load varies from 2.65 Watt to 10 Watt)
Full charge time	6 to 7 Hours at 90% Irradiation (Depends on Solar irradiation and Load condition)
Backup time	12 Hours (Assumption based on 76.8Wh Battery Capacity and 5.5 Watt continuous load) Battery backup may vary based on the change in Power consumption
Indications	
LED	1.Battery charging: Green Blink 2.Full charge: Green ON 3.Battery discharge: Red ON
Overall device level features and protections	
Over all device level protections	1.Over voltage 2.Transient protection on input side 3.Higher efficiency and less self heat generation 4.Over current protection 5.Short circuit protection

Feature	Specification
Primary Safety features and protections for battery pack	
Battery primary protection	Using a separate PCB inside the battery pack to protect from all kinds of faults and issues mentioned below. 1.Over current and Short circuit protection 2.Over voltage protection 3.Under voltage protection 4.Over charge protection 5.Deep discharge protection 6.Over temperature protection
Physical Dimensions of Full Device	
Fasteners	U-Bolt – 101.6 mm, Hose Clamp – 150 mm
Dimensions	550 mm x 450 mm x 105 mm
Output port	Cable with compatible Power jack

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