

# SF-SOLARKIT-BATT-256WH

Stand-alone power supply system for  
CCTV

Solar panel of 60W

Lithium LiFePo Battery 256Wh (20Ah)

Integrated MPPT regulator

Support for mast anchorage

RS-485 for communication



Stand-alone power supply system for CCTV

Solar panel up to 60W

256wh LiFePo battery with 2000 charge and discharge cycles

Integrated MPPT regulator

Maximum supported load 20W

Communication RS485 for third-party integration

Mast support included

Degree of protection IP67

## Specifications

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Technical system information

Solar panel module	60W
Battery	Lithium LiFePo 256wh
Solar input voltage	18V
Load voltage	9~12.6V
Maximum input power	Up to 120W in total
Maximum current load	10A
Maximum load supported	20W
Regulator	Integrated MPPT
Communication	RS485 (For integration with third parties). Provides all system information such as load level, system status or power consumption
Output Voltage	12V Integrated DC Regulator (with standard jack connector compatible with CCTV cameras)
Bracket	Support for mast or vertical infrastructure mounting

Solar Panel

Power	60 W
Cells	156 monocrystalline
Optimum Voltage	18V
Optimum operating current	3.33A
Short-circuit voltage	3.66V
Open circuit voltage	21.24V
Glass thickness	3.2mm
Power tolerance (W)	±3%
Maximum load capacity	60 m/s (5Kg/sg.m)
Maximum hail load	23m/s, 7.53g
Efficiency	21.6%
Temperature Range	-20°C ~ 85°C
Module dimensions	680 (W) x 30 (H) x 510 (D) mm
Weight	4 Kg (with battery)
Degree of protection	IP67

Battery

Material	LiFePo
Capacity	20Ah (256Wh)
Nominal voltage	12.8V
Operating temperature	Charge: 0 °C to 65 °C (32 °F to 140 °F) Discharge: -30 °C to 65 °C (-22 °F to 140 °F)
Cycles	>2000
Battery size	205 (W) x 40 (H) x 100 (D) mm
Degree of protection	IP67