

# SETTOP SOLAR SYSTEM

**SCALABLE SOLAR  
PANELS FOR  
AUTONOMOUS  
POWERING OF THE  
WHOLE SYSTEM**

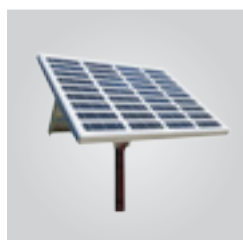


## CHARACTERISTICS

- Set up an autonomous monitoring project
- Solar Panel: 250 W
- 2 Batteries 100 Ah each
- Up to a week without electricity
- Rugged Heavy Duty design to withstand harsh environments
- IP65 Rating for Water & Dust ingress
- Compact style for ease of installation and manoeuvrability

The solar panel system offered by SettopSurvey offers the necessary security to power the permanent monitoring installations in remote places where it is not possible to connect to the power or as an auxiliary system.

Settop's Solar solution is mounted on an aluminum structure, easily installable anywhere and with the possibility of being equipped with one or multiple panels depending on the needs (PN: SOLAR SYSTEM MON). The batteries are housed in an airtight box to prevent damage due to weather conditions prepared to accommodate 2 x 100Ah batteries (PN: POWER KIT MON). To complete the installation, the metal storage box of the controllers (PN: SOLAR CABINET) is included.



PN: SOLAR SYSTEM MON



PN: PW KIT MON

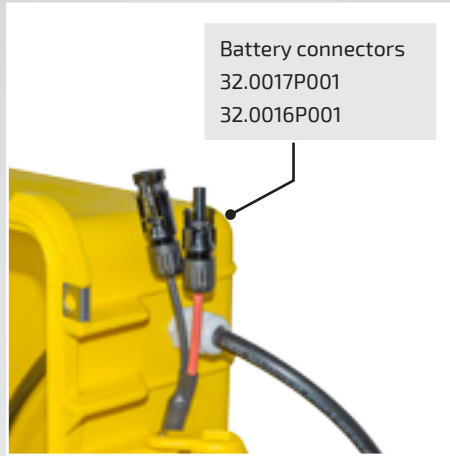


PN SETTOP SOLAR CABINET

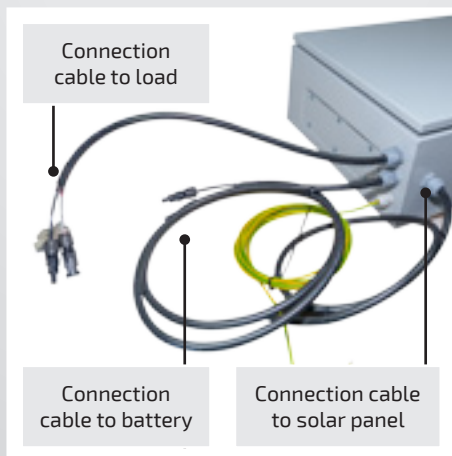
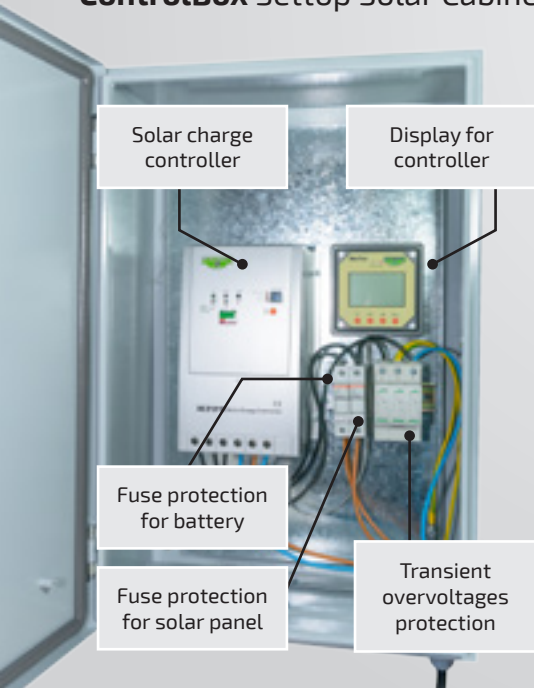


SETTOP SOLAR SYSTEM IS AN ACCESSORY FOR SETTOP M1 MONITORING SOLUTION

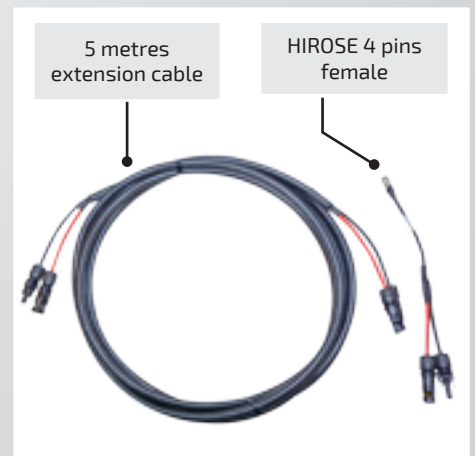
## Battery case PW KIT MON



## ControlBox Settop Solar Cabinet



Extension cable to connect the load the control box.



### CHARACTERISTICS

Power	
Power	300 W; 200Ah at 12V
Solar panels	(2) 300 W panels
Batteries	(6) MVG121000 cell batteries rated at 100Ah, wired for 200Ah at 12VDC
Solar charge controller	MPPT 30A, 12VDC (with meter, temperature compensation and LVD)
Requirements	30 Watts continuous at 12 VDC (in regions with 4,5+ hours of winter peak sun)

### ENCLOSURE

Battery case	
Dimensions (LxWxH)	47,3 x 36 x 19,6 cm
Weight (no batteries)	4 kg
Weight (with batteries)	66kg

### Control Box

Dimensions (LxWxH)	60 x 40 x 20 cm
Weight	15 kg

### ELECTRONICS COMPARTMENT

Control Box
Solar charge controller
Display for controller
Fuses protections (battery and solar panel)
Transient Overvoltages protection
External cables connections (with 32.0017P001 and 32.0016P001 connectors) for battery, solar panel and load
External copper wire to attach to the grounding rod.
IP65
1.2 mm thick galvanized steel

### Battery Compartment

Waterproof, dustproof and shockproof easy to open, made of polypropylene
2 fuses protection for battery
External cables connections (with 32.0017P001 and 32.0016P001 connectors)