

## PICTURE



## REMOTE MONITORING SPECIFICATIONS

SENSOR	ACCURACY	SAMPLE RATE
Battery voltage	$\pm 5$ mV	0.1 sec to 10 min
Battery current	$\pm 10$ mA	0.1 sec to 10 min
Temperature	$\pm 0.5$ °C	10 min
Tamper detection	-	When triggered
Location	Typically <2km	4 hours

## COMMUNICATION OVERVIEW

- Inbuilt GPRS/SMS connection works with over 500 networks around the world.
- Central billing system speeds up system installation and operation.
- Unit will send back full monitoring data where a GPRS connection is available and will fall-back to SMS and reduce data usage in low signal conditions.

## ALERTING AND CONTROL OVERVIEW

- Boxes can be enabled or disabled remotely through our SMART Solar dashboard.
- Discharge settings of the battery can be changed remotely, limiting the energy a customer can use from the product.
- Three types of data, technical and customer usage alerts provide the local technician or agent with information about any issues with the product, speeding up response times and increasing customer satisfaction.

## CASING SPECIFICATIONS

PARAMETER	VALUE
Dimensions (mm)	300x204x89
Weight (with battery)	7.23kg
Casing material	ABS
IP rating	IP50

## CHARGE CONTROLLER SPECIFICATIONS

PARAMETER	VALUE
Max. DC output power	50 W
Fuse	10 A
Protections	Remotely configurable low voltage disconnect point. Overcharge, thermal, overload and short-circuit protection
Display	Battery state of charge
Outputs	USB (5 V/1A) x 2 12VDC (2.5mm, 12 V/5 A) x 6
Max. input voltage	22V
Efficiency	90-95% typ.
Charging type	MPPT
Recommended operating temperature	0 to 50°C

## BATTERY SPECIFICATIONS

PARAMETER	VALUE
Type	Sealed lead acid
Capacity	17 Ah (20h discharge)
Voltage	12 V nominal