

## UP Series SP190

SOLAR POWER AGM



### Product Design Features

- AGM-technology, maintenance free product (SMF).
- Power Supply & Starting power suitable.
- More than 500 cycles at 75% D.O.D.
- More than 1000 cycles IEC 61427.
- High resistance to deep and repetitive discharge cycles.
- Internal gas recombination efficiency 98%-99%.
- One-way valve regulated system with flame-arrestor.
- Delivered ready for use at 100% of its nominal capacity.
- Long Service Life.

### Specifications

Nominal Voltage (V)		12
Capacity (Ah)	C1 (9.60V)	100
	C5 (10.20V)	135
	C10 (10.80V)	150
	C100 (10.80V)	190
	Cr (10.5V)	300 min
Dimension	Length (mm)	513
	Width (mm)	223
	Height (mm)	223
Weight (kg)		46.3
Box type		B
Terminals		Standard cone
Handles		Yes (2)
QTY / PLT / Layer		21 / 1 / 3

### Certification



- ISO 9001
- ISO 14001

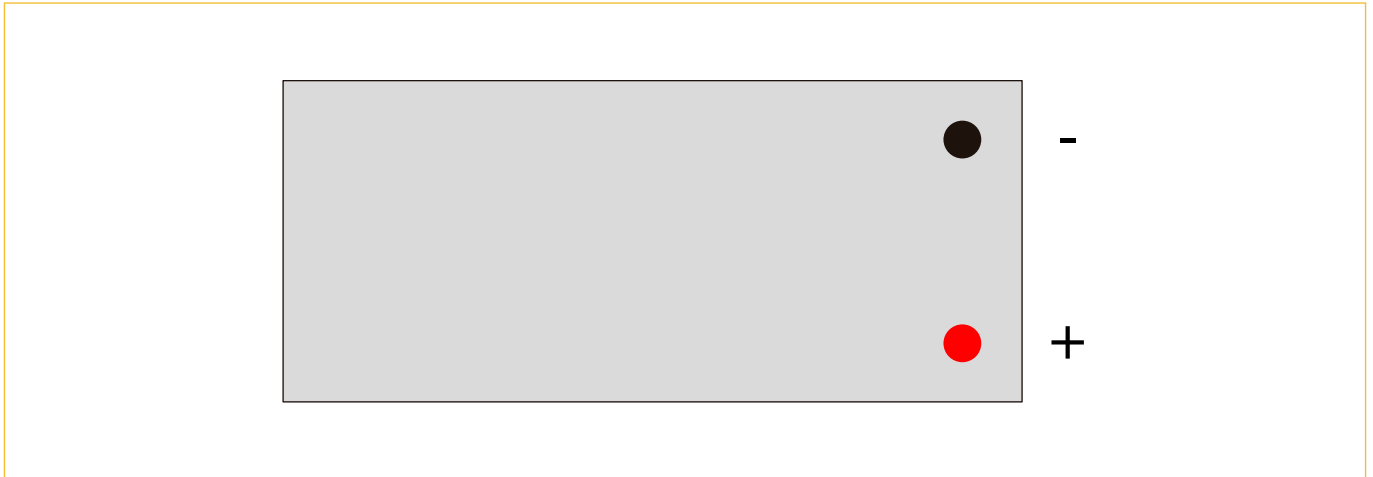
### Charging Type

### Parameter / Limits

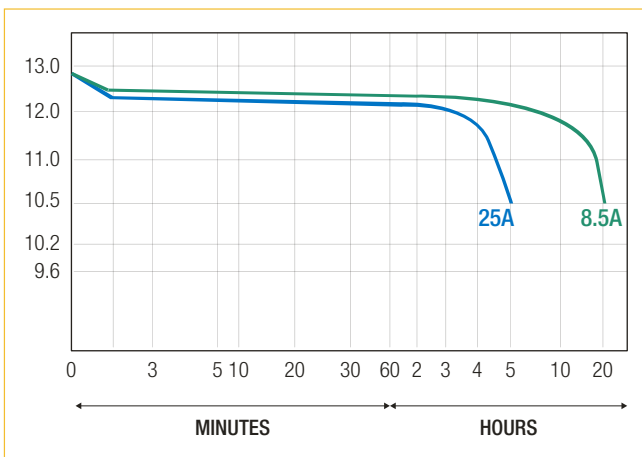
Charge with Constant Current	Current limit: 10 - 20% from C10 capacity rate
Charge with Constant Voltage	Voltage limit: 14.1 - 15.0V per block
Float Charge Voltage (Cycling)	Float voltage: 13.62V per block @ 20°C
Temperature Correction Factor	0.018V per block / °C



## Battery Layout



## 25A and 20 hour Discharge Characteristics



## Capacity vs Operating Temperature

