

## UP Series SP220 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)    | 115           |
|                     | C5 (10.20V)   | 155           |
|                     | C10 (10.80V)  | 185           |
|                     | C100 (10.80V) | 220           |
|                     | Cr (10.5V)    | 350 min       |
| Dimension           | Length (mm)   | 518           |
|                     | Width (mm)    | 274           |
|                     | Height (mm)   | 242           |
| Weight (kg)         |               | 54.5          |
| Box type            |               | C             |
| Terminals           |               | Standard cone |
| Handles             |               | Yes (2)       |
| QTY / PLT / Layer   |               | 18 / 1 / 3    |

### Certification



- ISO 9001
- ISO 14001

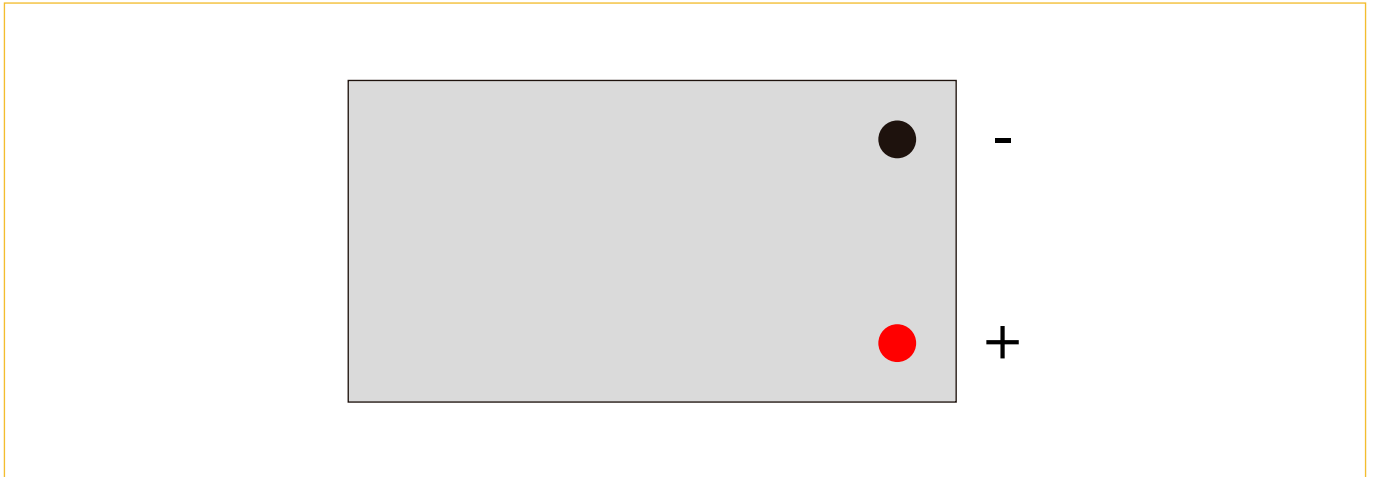
### Charging Type

### Parameter / Limits

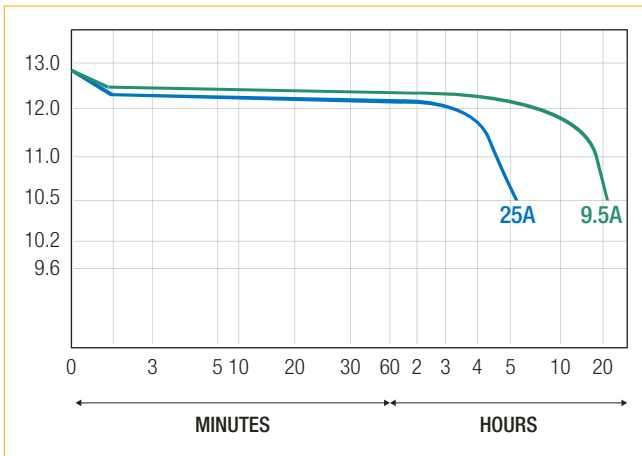
|                                |                                                |
|--------------------------------|------------------------------------------------|
| Charge with Constant Current   | Current limit: 10 - 20% from C10 capacity rate |
| Charge with Constant Voltage   | Voltage limit: 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

