

AGM Battery Sun Store 200

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The Phaesun Sun Store AGM batteries are very robust, waterproof, cycle-proof and have an extremely long life expectancy. They are highly efficient and best suitable as allround-batteries.



Applications

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway or aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system
- Solar powered Off-Grid-Systems
- Hybridsystems with wind and hydro power
- Renewable power supply

Technical Data	Sun Store 200
Nominal voltage	12 V
Nominal Capacity (10HR)	200,0 Ah
Dimensions	522 x 240 x 224 mm
Approx. Weight	64,0 kg
Terminal	T11
Container Material	ABS
Rated Capacity @ 25 °C	230 Ah / 2,3 A (100h; 1,85 V/cell) 208 Ah / 10,4 A (20 h; 1,80 V/cell) 200 Ah / 20,0 A (10 h; 1,80 V/cell) 172 Ah / 34,4 A (5 h; 1,75 V/cell) 156 Ah / 52,0 A (3 h; 1,75 V/cell) 122 Ah / 122,0 A (1 h; 1,60 V/cell)
Max. Discharge Current	2000 A (5s)
Internal Resistance	Approx. 2,7 mΩ
Operation Temp. Range	Discharge: -15 ~ +50 °C Charge: -15 ~ +40 °C Storage: -15 ~ +40 °C
Nominal Operating Temp. Range	25 ± 3 °C
Cycle Use	Initial Charging Current less than 60,0 A; Voltage 14,4 V – 15,0 V at 25 °C Temp. Coefficient -30m V/°C
Standby Use	No limit on Initial Charging Current Voltage 13,5 V – 13,8 V at 25 °C Temp. Coefficient -20 mV/°C
Capacity affected by Temp.	40 °C, 103 % 25 °C, 100 % 0 °C, 86 %
Self Discharge	Sun Store batteries may be stored for up to 6 months at 25 °C and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Life expectancy	8 years at 25 °C with charge voltage 2,25 V/cell
Article No.	340090

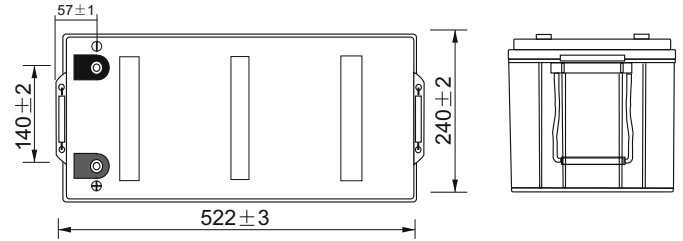
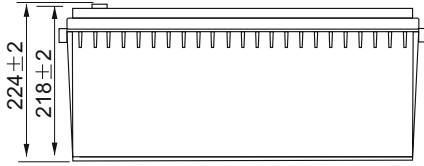
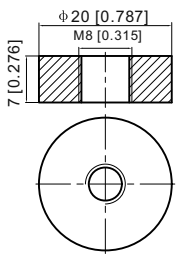
Conform to:

IEC60896-21&22 and/or
IEC61427

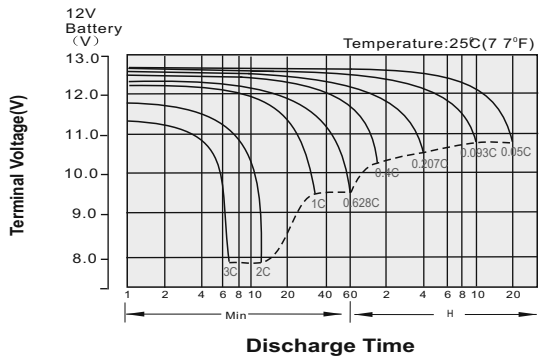


T11 Terminal

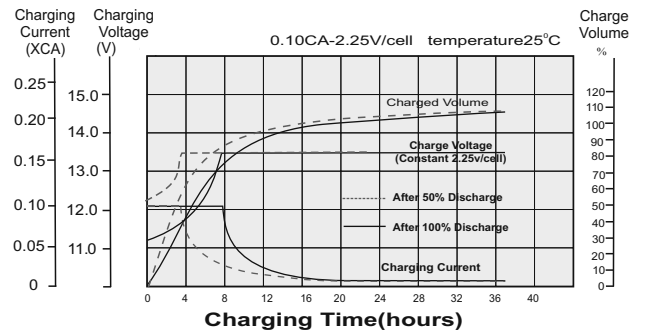
Unit: mm [inches]



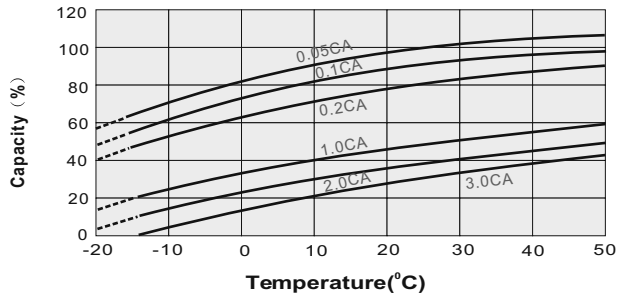
Discharge Characteristics



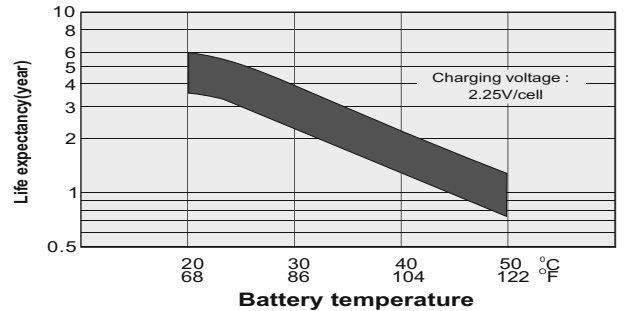
Float Charging Characteristics



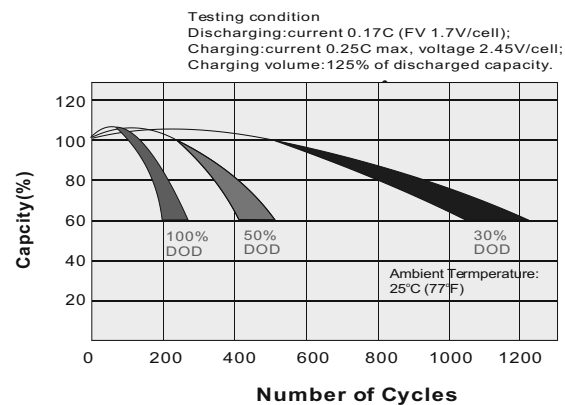
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

