ECOSUN SINCE 1996 QUALITY & TRUST

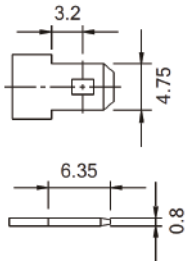
eco sun energy source

ECO-AGM MINI

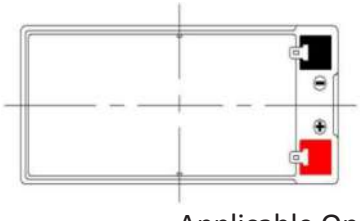
Battery for renewable energy sources

Valve Regulated Lead Acid rechargeable batteries are designed to provide outstanding performance in withstanding overcharge and/or over discharge. Furthermore the batteries are also resistant to vibration and shock.

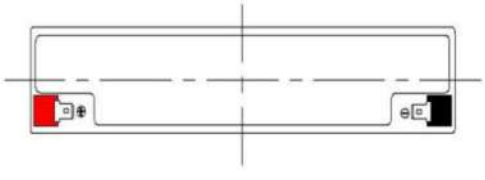
● Terminal F1



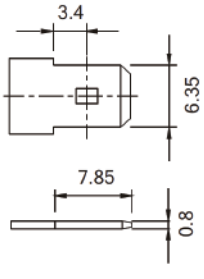
U - 1.3 - 7.2 - 9



U - 2.3



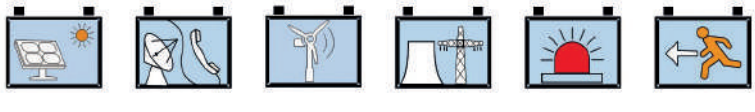
● Terminal F2



Applicable Operating Temperature Range: -20°C to +50°C
Ideal Operating Temperature Range: +20°C to +35°C
Storage Time From A Fully Charged Condition: 24 months at 20°C

Features

- Valve regulated lead acid (VRLA)
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and free from electrolyte maintenance or water
- Not restricted for air transport – complies with IATA/ICAO Special provision A67
- German Technology
- UL- recognized component
- Computer designed lead, calcium tin alloy grid for high power density
- Long service life, float or cyclic applications
- Maintenance free operation
- Low self discharge
- Spill-proof and leak-proof



Applications

- UPS
- Power Packs
- Fishing Lights
- Laboratory Equipment
- Toy-Cars
- Backup systems
- Alarm Systems

Specifications

Positive plate	Lead dioxide
Negative plate	Lead
Box	Reinforced ABS
Cover	Reinforced ABS
Safety valve	Rubber
Terminal	Copper
Separator	Fiberglass
Electrolyte	Colloidal Silicon

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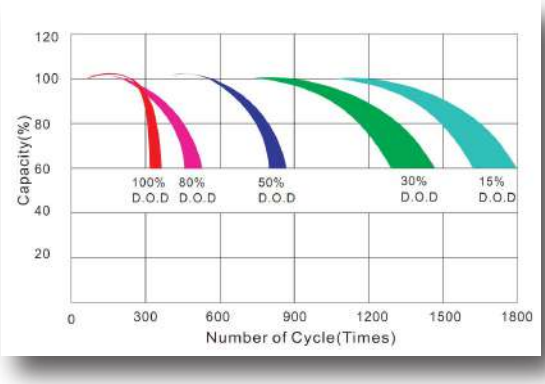
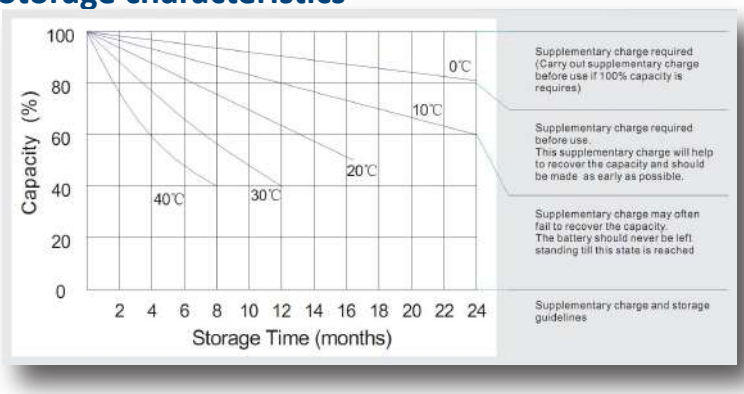
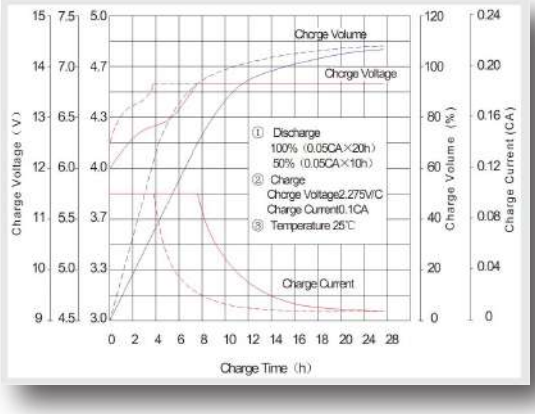
Life characteristics of cyclic use



Storage characteristics

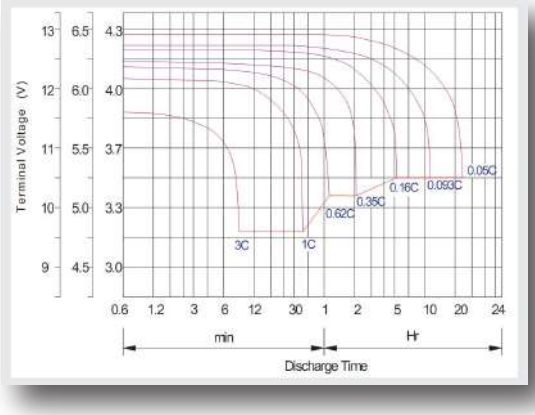


Charge characteristics curve of cyclic use



The solar AGM battery excels in cycling applications.
*Dependent upon proper charging and ambient temperatures.

Discharge characteristics curve



Capacity Factors At Different Temperatures

Temperature	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Factor	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

Discharge Amps (25°C)

Type	Volts (V)	C5 Hr	C10 Hr	C20 Hr	Approx. Wt. (Kg)	Dimensions in (mm) Lenght	Width	Height
U - 1.3 - 12	12	1.1	1.15	1.3	0.59	97	43	52
U - 2.3 - 12	12	1.95	2.0	2.3	0.99	178	35	61
U - 7.2 - 12	12	6.2	6.80	7.2	2.15	151	65	94
U - 9.0 - 12	12	7.7	8.50	9.0	2.50	151	65	94

IMPORTANT CHARGING INSTRUCTIONS

WARRANTY VOID IF OPENED OR IMPROPERLY CHARGED. Do not install in an air-tight condition. Constant under or overcharging will damage any battery and shorten its service life. Use a good constant potential, voltage-regulated charger or voltage regulated solar controller. For 12 volts monobloc, charge to at least 13.6 volts but no more than 14.4 volts at 25°C. The open circuit voltage of a fully charged 12 volts monobloc is 12.8 volts at 25°C. However, during the battery charge, the building internal pressure (voltage) causes resistance to the charge. Therefore, the charging voltage must be higher (at least 13.8 volts) to overcome this internal pressure (voltage) during charging. For longer life avoid deep discharges and large charging currents. Do not connect more than three strings, for larger capacities use 2V batteries.

- All mentioned values are average values (Tolerance ±5%).
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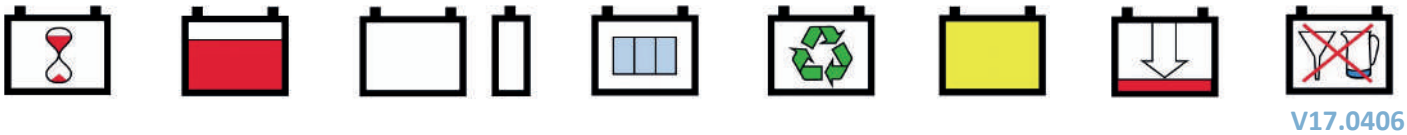

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