

Applications



SEALED VRLA SMF BATTERY - SOLAR 12-7.2 Ah

BS E L

Bharat Surya Energy Ltd

Corporate Office:

D - 37, Sector - 11 Noida - 201301, UP, India
cscell@bharatsurya.com, Toll Free No: 1800 103 8408
An ISO 9001 : 2008 Certified Company



BOSEL

Bharat Surya Energy Ltd.
भारत सूर्या एनर्जी लिमिटेड



SEALED VRLA SMF BATTERY- SOLAR 12-7.2 Ah

SPECIFICATIONS

Nominal Voltage (V): 12V
Rated Capacity:
20hour rate (0.360A 10.50V) 7.2AH
10hour rate (0.680A 10.50V) 6.8AH
5hour rate (1.200A 10.20V) 6.0AH
1 hour rate (4.2A to 9.6V) 4.2AH
Weight 2200g
Internal Resistance (at 1 KHz) : 30mΩ
Maximum Discharge Current for : 30 seconds: 72.0A
Maximum Discharge Current for : 5 seconds: 108.0A

Operating Temperature Range:
Charge 0°C(32°F) to 40°C(104°F)
Discharge 15°C(5°F) to 50°C(122°F)
Storage 15°C(5°F) to 40°C(104°F)

Charge Retention (shelf life) at 20°C(68°F)
3 month 91%
6 month 82%
12 month 64%

Charging Methods at 25°C(77°F)

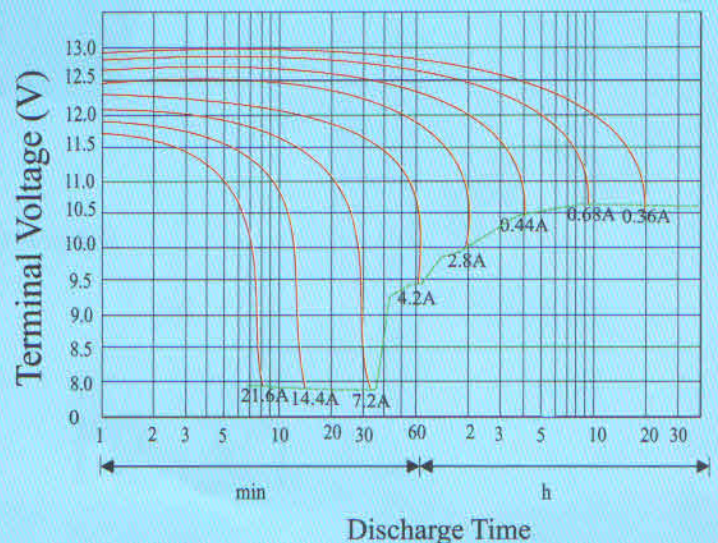
Cycle use:
Charging Voltage 14.4to14.9V
Maximum Charging Current 2.16A

Standby use:
Float Charging Voltage 13.5to13.8V
No current limit required

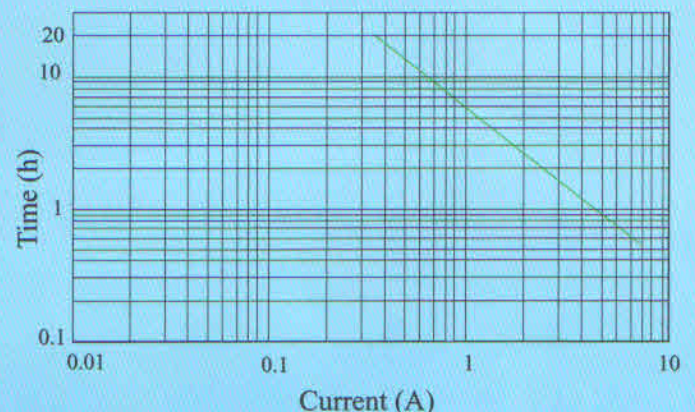
Life expectancy:
Cycle Use: 100% depth discharge 400cycles
50% depth discharge 800cycles
20% depth discharge 1200cycles

Standby Use: 3-4 years
Case Material: ABS
Terminal: F1/F2
Dimensions: L151*W66*95(mm)
Total Height (with terminals) 100(mm)

DISCHARGE CURRENT VS TIME 25! aC (77!a)



DISCHARGE CURRENT VS TIME 25! aC (77!a)



BOSEL

Bharat Surya Energy Ltd

Corporate Office:
D - 37, Sector - 11 Noida - 201301, UP, India
cscell@bharatsurya.com, Toll Free No: 1800 103 8408
An ISO 9001 : 2008 Certified Company

