



6-CNJ-100@10hr

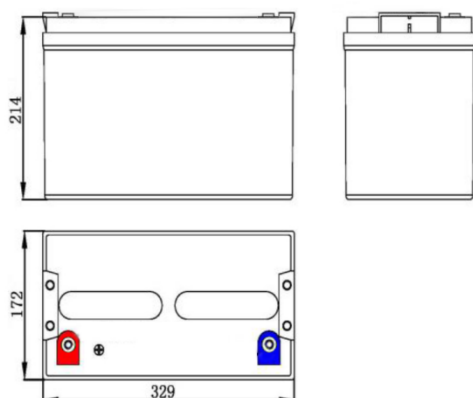
Energy Storage Battery

Maintenance Free Valve Regulated Gel Battery

PERFORMANCE SPECIFICATION

Nominal Voltage	12V (6 cells)
Nominal Capacity	
10-hr. (10.0A to 10.8V)	100Ah
Approximate Net Weight	28 kg (±2%)
Cycle Use Charging	14.4 @25°C
Constant voltage charge. Initial charging current less than 0.25C Amps. Switch to float charge to avoid overcharging. Temperature compensation: -3 mV/cell/°C	
Design Life time	12 years
Max. Charging Current	25.0A
Operating Temperature Range	-35°C to 60°C
Advice operating temperature	25°C±5°C
Self Discharge	
1 month	97%
3 month	93%
6 month	87%
The storage period is up to 6 months, advice recharges the battery when storing 3 months. Please guarantee the battery fully charged before using.	

DIMENSIONS (mm)



L: 329
W: 172
H: 214
TH: 218

Terminal
M6 ☐
M8 ☒

APPLICATIONS:

- Solar wind system
- Lighting system
- Power station
- Household energy storage
- Other energy storage applications

FEATURES

- Use AGM and gel mixed technology, with good cycle life and wide temperature range performance ;
- Cost effective product and widely used in different photovoltaic, lighting, power supply and control systems;
- The structure of the special designed grid is digitally simulated, and the current distribution on the grid is more uniform and reasonable;
- High gas recombination efficiency;
- The Valve regulated technology guarantees the safe operation without maintenance;

APPROVALS

- Passed the audit of ISO9001, ISO14001, OHSAS18001
- CE, IEC60896/IEC61427, UL certificated
- SGS Supplier assessment report
- Approved for transport by air & sea.
- **PHILIPS** only VRLA battery supplier in global



BATTERY CONSTRUCTION

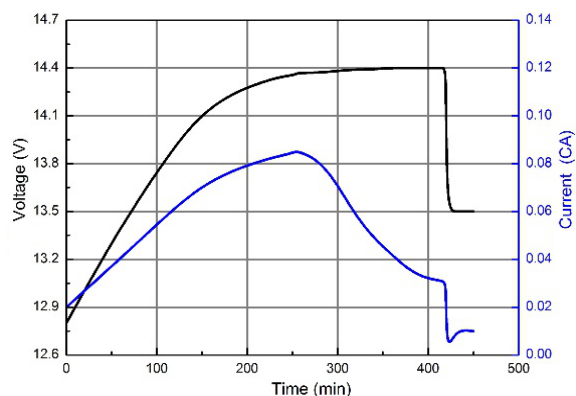
Positive plate	Negative Plate	Container	Cover
Lead dioxide	Lead	ABS	ABS
Safety valve	Terminal	Separator	Electrolyte
Rubber	Copper	AGM	Gel

Founded in 1990, HUAFU has more than 30 years of experience in producing energy storage Battery. The sales of its gel battery ranks NO.1 in China market for energy storage use.

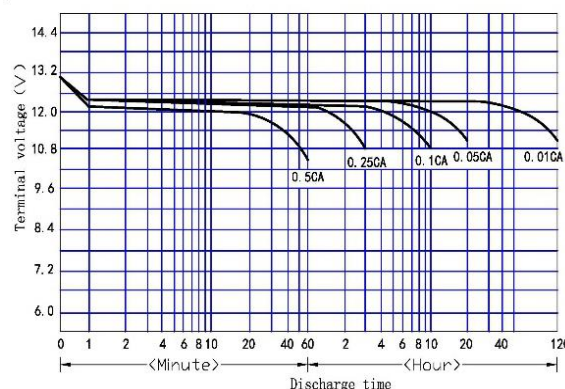
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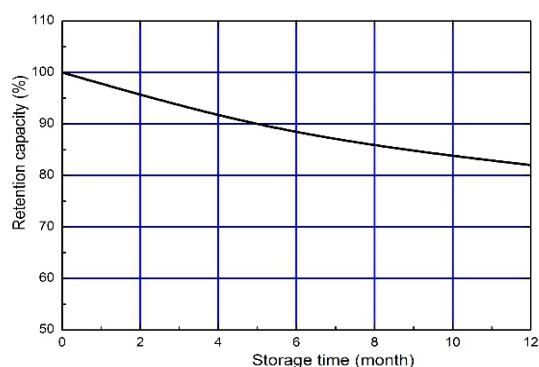
Charging Curve



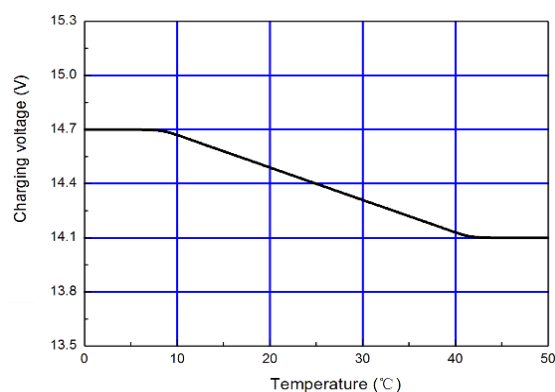
Discharge curve (25°C)



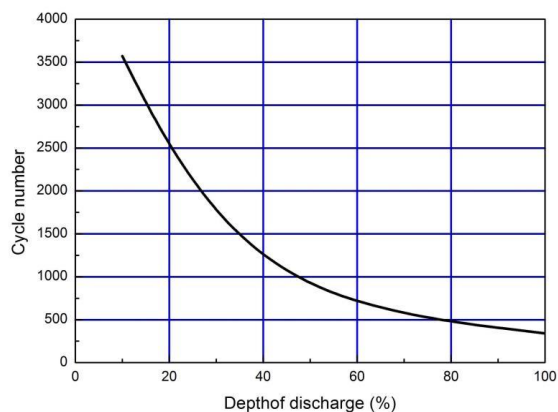
Self-discharge characteristics (25°C)



Charging Voltage Vs Temperature



Cycle Life Vs Depth of Discharge



Capacity Vs Temperature

