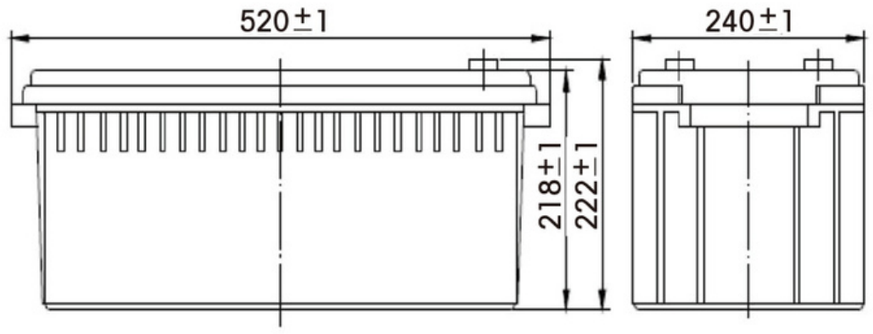
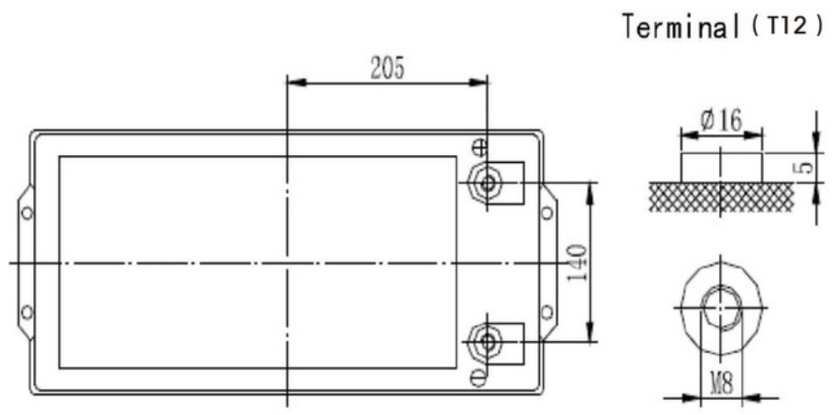
IRRI SOL

GEL Battery 12V200AH

GENERAL FEATURE

- Micro millimeter SiO_2 and H_2SO_4 technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenanceor water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- Can be mounted in any orientation.
- Computer designed lead,calcium tin alloy grid for high power density.
- Long service life,float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.





Unit:mm

SPECIFICATION

Nominal voltage ····· 12V
Number of cell ····· 6
Length(mm/inch) ····· 520/20.49
Width(mm/inch) ····· 240/9.46
Height(mm/inch) ····· 218/8.58
Total Height(mm/inch) ····· 222/8.74
Approx.Weight(kg/lbs) ····· 60/132.28

MATERIAL

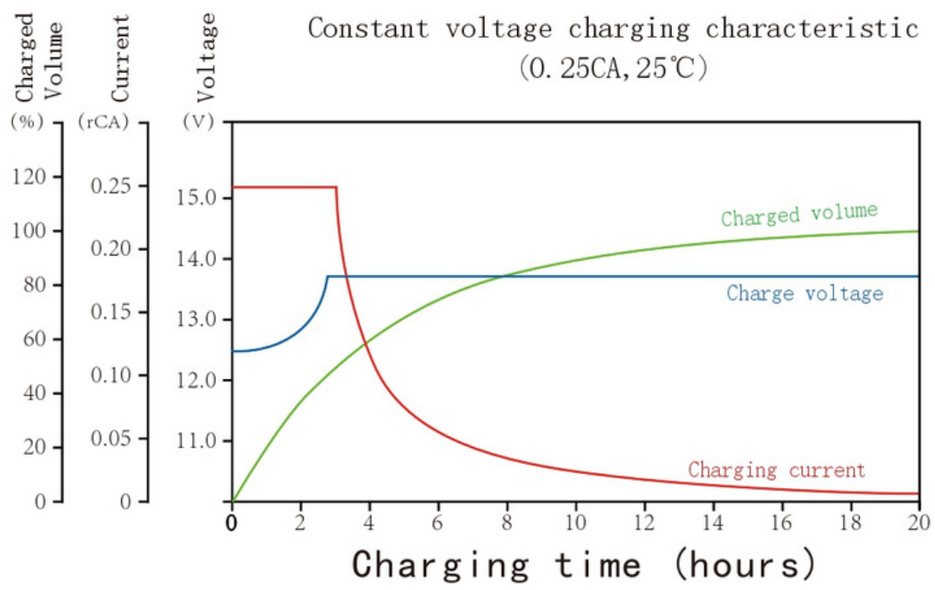
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Colloidal Silicon

CONFIGURATION

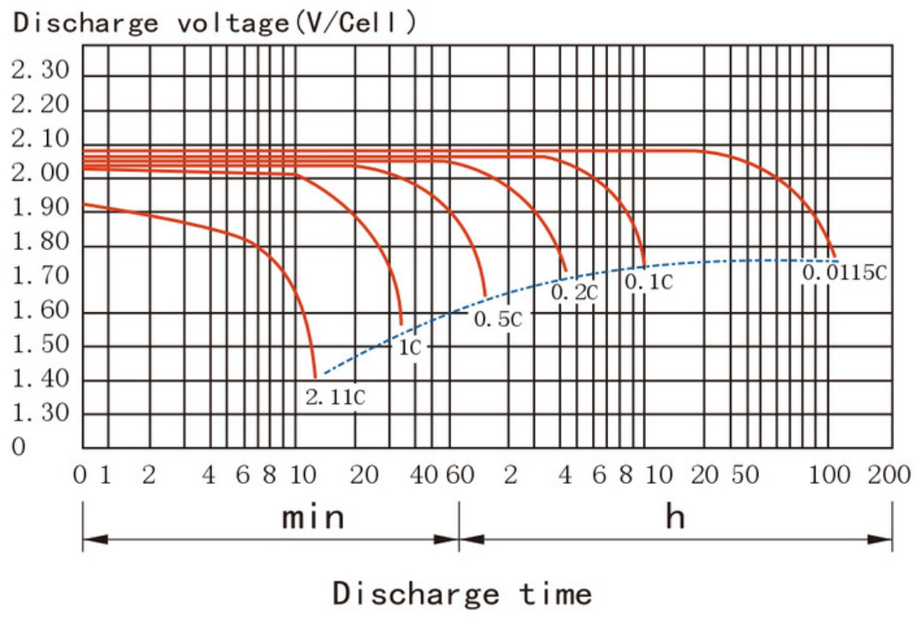
Capacity 77°F(25℃)	100 hours rate (2.3A 11.1V)	230Ah
	20 hours rate (10.5A 10.5V)	210Ah
	10 hours rate (20A 10.5V)	200Ah
	1 hour rate (118A 9.6V)	118Ah
Internal Resistance	Full charged battery 77°F(25℃):6mΩ	
Capacity affected by Tenperature (10 hour rate)	104°F(40℃)	102%
	77°F(25℃)	100%
	32°F(10℃)	85%
	5°F(-15℃)	65%
Self-Discharge 68°F(20℃)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	60%
Max discharge current 77°F(25℃):1000A(5S)		
Charge (Constant Voltage)	Float:13.6 to 13.8V/77°F(25℃)	
	Cycle:14.4 to 14.7V/77°F(25℃) Max Current:60A	

PERFORMANCE REPORT IRRI SOL

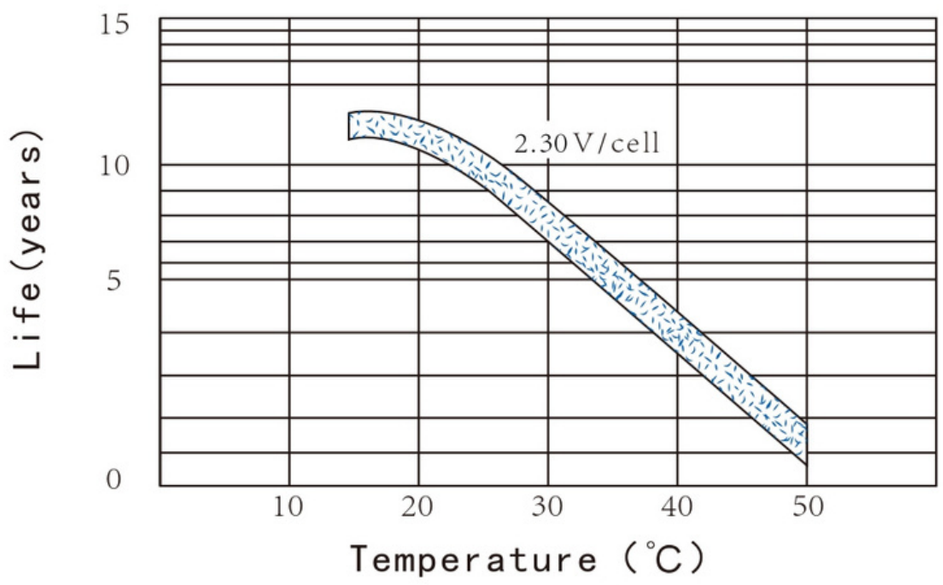
Charge characteristic curve



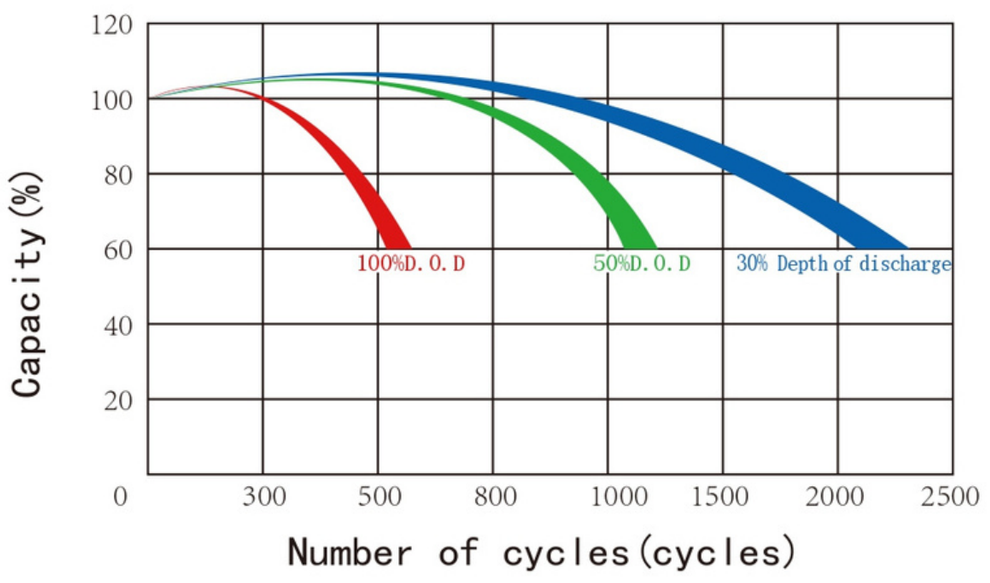
Discharge characteristic(25℃)



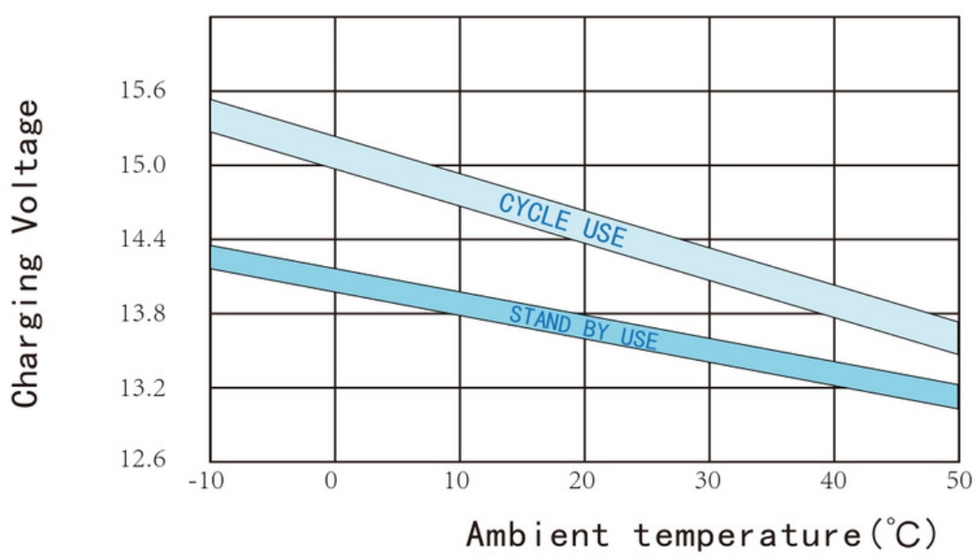
Temperature effects on float life



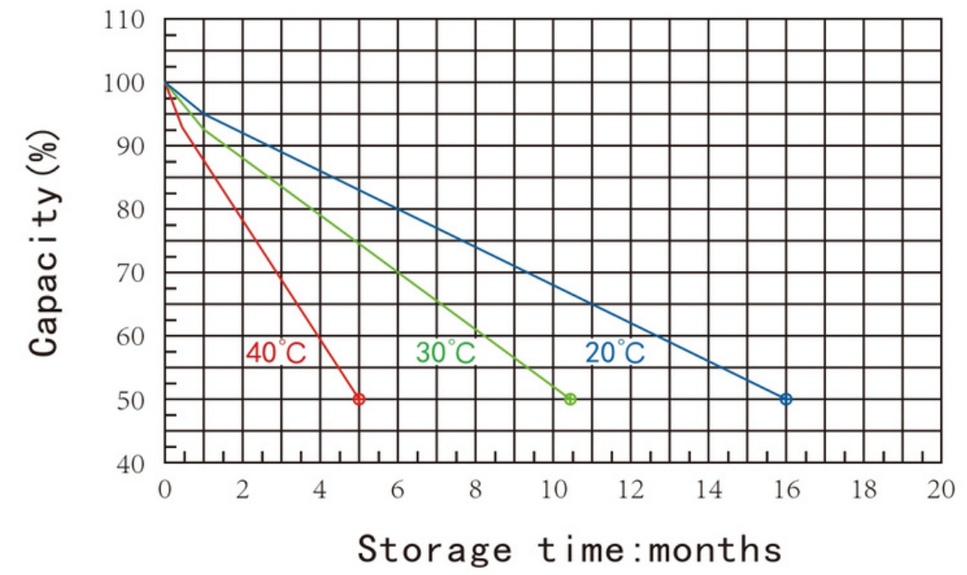
Cycle service life in relation to depth of discharge



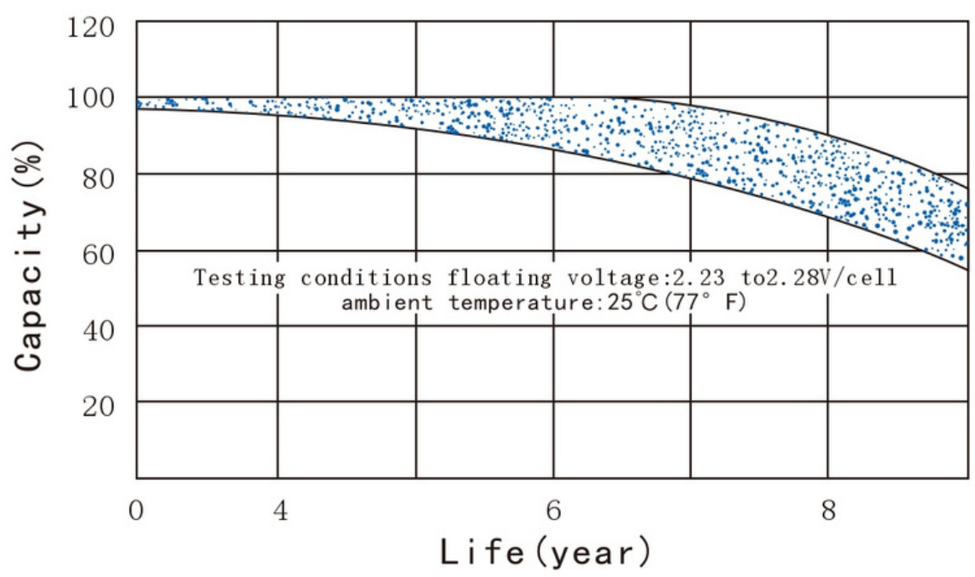
Relationship between charging voltage and temperature



Self-discharge characteristic



Life characteristics of standby use



Temperature effects on capacity