

6-CNJ-100 GEL BATTERY

Technology data

Rated voltage	Capacity (10hr,1.80V/Cell)	Weight	Max discharge current	Max charging current	Self-discharge (25°C)	Recommended Using temperature	Cover Material
12V	100Ah	30Kg	30I ₁₀ A(3min)	≤0.25C ₁₀	≤3%/month	15°C~25°C	ABS
Using temperature		Charging Voltage (25°C)		Charging Mode (25°C)		Capacity Affected by Temperature	
Discharge:-45°C~50°C		floating charge:		Float Charge: 2.275±0.025V/Cell		105% @ 40°C	
Charge:-20°C~45°C		13.5V-13.8V		Temperature parameters: ±3mV/Cell °C		82% @ 0°C	
Storage:-30°C~40°C		equalizing charge:		Cycle Charge: 2.45±0.05V/Cell		68% @ -20°C	
		14.4V-14.8V		Temperature Compensation Coefficient ±5mV/Cell °C			

Different discharge time at different terminal Voltage, discharge time(Amps,25)

Termination Voltage (V/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	55.22	25.11	16.78	10.82	5.59	2.35	1.28	1.13	0.60
1.75	54.12	24.85	16.48	10.20	5.46	2.26	1.19	1.05	0.55
1.8	53.04	24.61	16.22	10.00	5.33	2.18	1.14	0.98	0.53
1.85	50.92	24.47	15.91	9.97	5.07	2.09	1.07	0.92	0.48
1.9	48.89	24.26	15.68	9.76	4.98	2.03	1.03	0.88	0.45
1.95	46.74	23.77	15.35	9.22	4.64	1.89	0.98	0.84	0.43

Constant current discharge coefficient(25°C, A)

Features

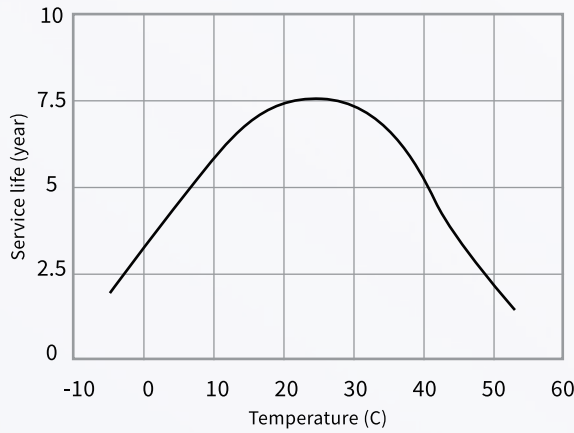
battery, Maintenance free and easy to use,Contemporary advanced technology research and development of new high-performance batteries,It can be widely used in solar energy , wind energy, telecommunication systems, off-grid systems, UPS and other fields. The designed life for the battery could be eight years up for float use.

Certificate

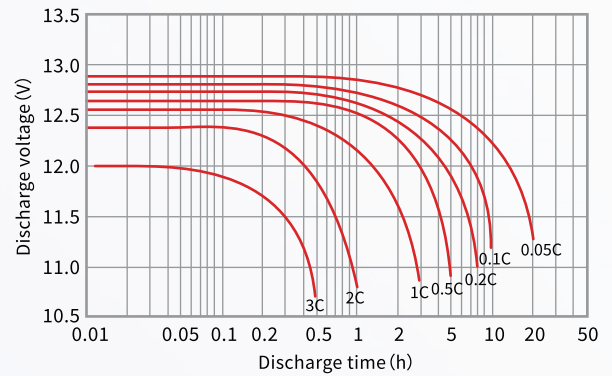
ISO9001
CE
Compliant standards:
GB/T 22473-2008
GB/T 19638.2-2005
YD/T799-2002
IEC61427-2005
GB/T 19001-2016 idt ISO 9001:2015
EN IEC 61000-6-2:2019,EN IEC 61000-6-4:2019
EN IEC 61000-3-2:2019+AI:2021
EN 61000-3-3:2013+AI:2019

Performance characteristics

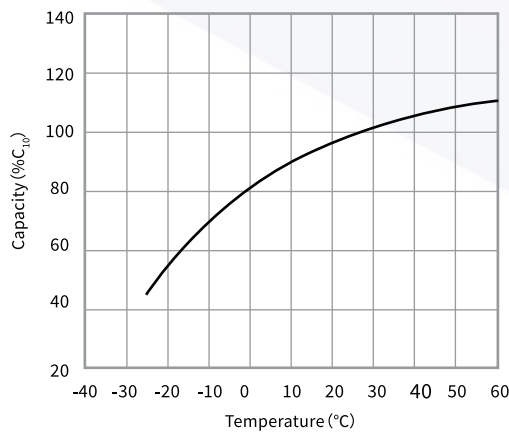
Temperature and service life



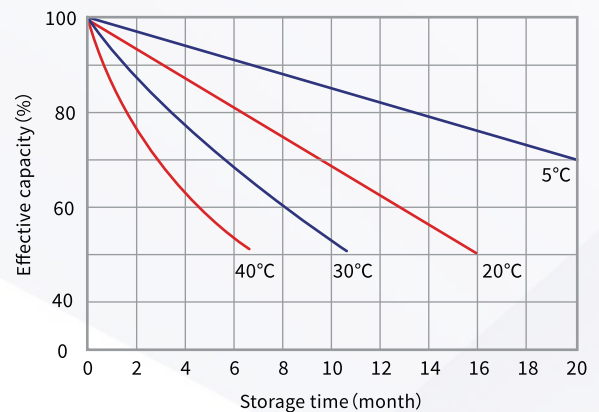
Discharge performance at different discharge rates(25°C/77°F)



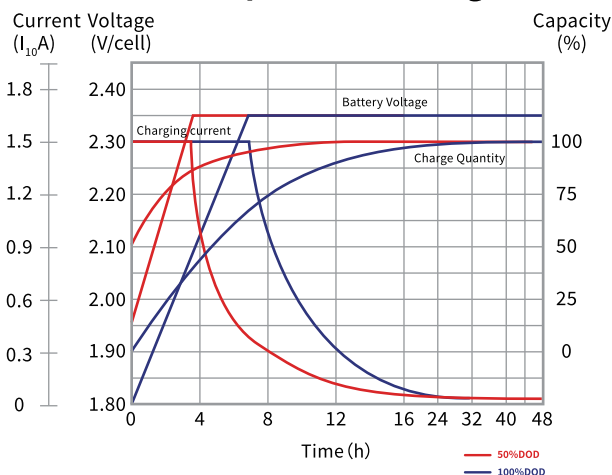
Temperature and discharge capacity



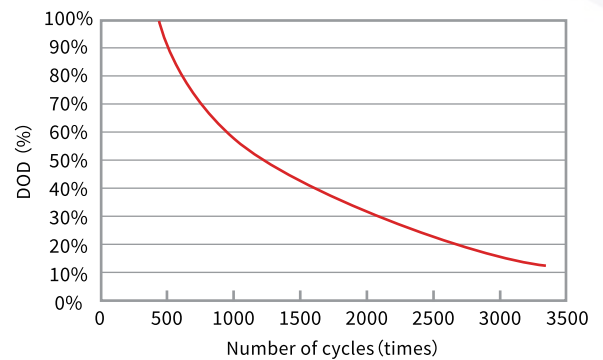
Self discharge parameters characteristics



Constant-potential charge



Cycle Service Life(25°C/77°F)



NOTE: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.