LANYU®

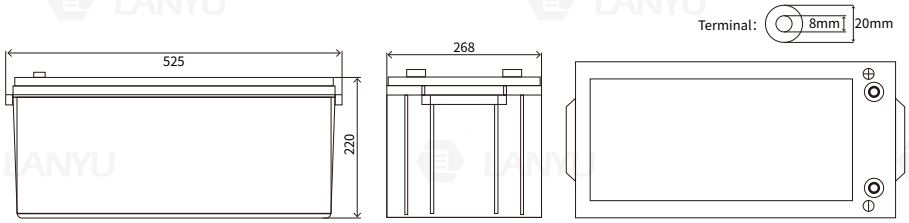
YANGZHOU DONGTAI SOLAR ENERGY CO.,LTD.

Yangzhou Dongtai Power Supply Co., Ltd. is located in Gaoyou Battery Industrial Park, Yangzhou City, Jiangsu Province. The company was established in 1988 and formally established in 2012. At present, the company has achieved satisfactory results in fields such as lead-acid gel batteries, solar energy storage batteries, solar street lamp lithium batteries, and home lithium energy storage systems. Our original intention is to provide reliable, economical, and efficient solar system solutions for the vast market.

Adhering to the strategic goal of building a first-class new energy production-oriented enterprise in the industry, the company has always been a pioneer in the solar energy industry for many years. The company's solar off grid power generation technology represents the new development trend of photovoltaic power generation and is the most attractive energy utilization technology in the 21st century. Firmly grasping the low-carbon economy, pragmatic innovation, abiding by integrity, mutual trust and common prosperity, and working together are the spirit of the enterprise; It is our corporate values to advocate energy-saving and low-carbon life, improve the structure of photovoltaic power supply, and fulfill social responsibility for environmental protection.

Yangzhou Dongtai power supply Co., Ltd. is a multi field, large-scale and powerful new energy leading enterprise. The company has always insisted on serving the country with industry, repaying the society with value, basing itself on the market with reputation and galloping the future with strength. Yangzhou Dongtai power supply is willing to join hands with all walks of life to create brilliance!

6-CNJ-300GEL 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	300Ah	68Kg	$30I_{10}$A(3min)	⩽$0.25C_{10}$	⩽3%/month	15°C~25°C	ABS

Using temperature	Charging Voltage (25°C)	Charging Mode (25°C)	Cycle life	Capacity Affected by Temperature
Discharge:-45°C~50°C	floating charge:	Float Charge: 2.275±0.025V/Cell	100%DOD 572 times	105% @ 40°C
Charge:-20°C~45°C	13.5V-13.8V	Temperature parameters:±3mV/Cell °C	50%DOD 1422 times	90% @ 0°C
Storage:-30°C~40°C	equalizing charge:	Cycle Charge: 2.45±0.05V/Cell	30%DOD 2218 times	70% @ -20°C
	14.1V-14.4V	Temperature Compensation Coefficient ±5mV/Cell °C		

Features

"lanyu" 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.

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	132.75	60.35	40.33	26.02	13.44	5.65	3.07	2.72	1.43
1.75	130.10	59.73	39.62	25.65	13.13	5.43	2.87	2.53	1.33
1.8	127.50	59.17	39.00	25.00	12.81	5.25	2.75	2.37	1.27
1.85	122.40	58.83	38.25	23.97	12.19	5.03	2.57	2.22	1.15
1.9	117.52	58.32	37.68	23.47	11.98	4.88	2.48	2.12	1.08
1.95	112.35	57.15	36.90	22.17	11.15	4.53	2.35	2.02	1.03

Constant current discharge coefficient(25°C, A)

Certificate

ISO9001
ISO14001
CE
CGC
TLC
High and NEW Technology Products Certification

Contact information

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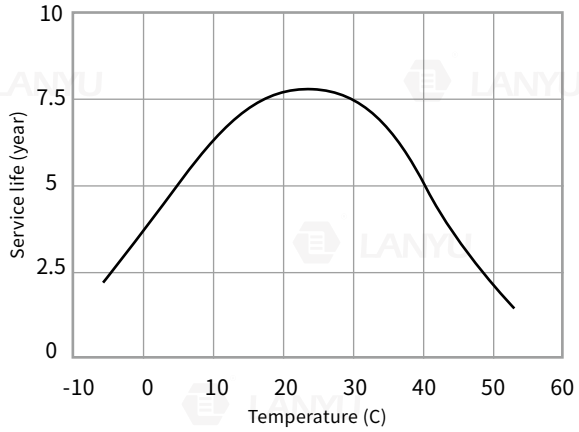
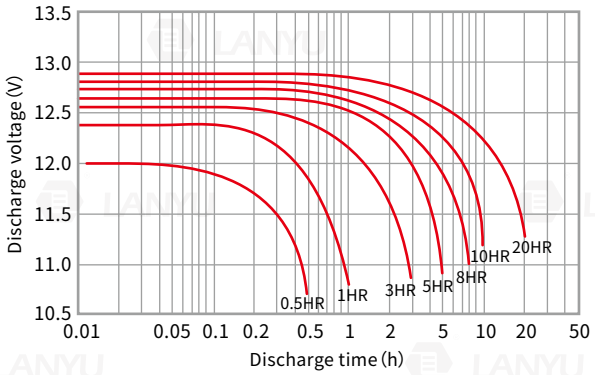
Performance characteristics

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/speccifications are subject to modification without notice.

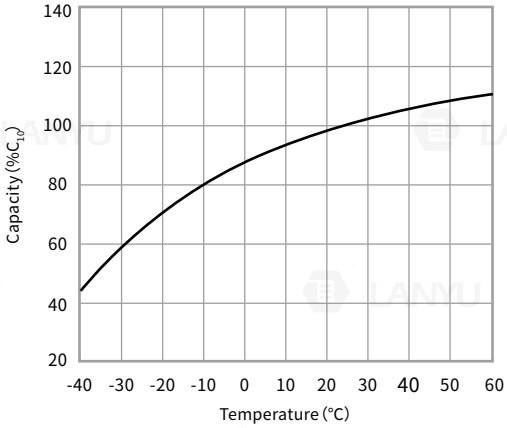
Temperature and service life



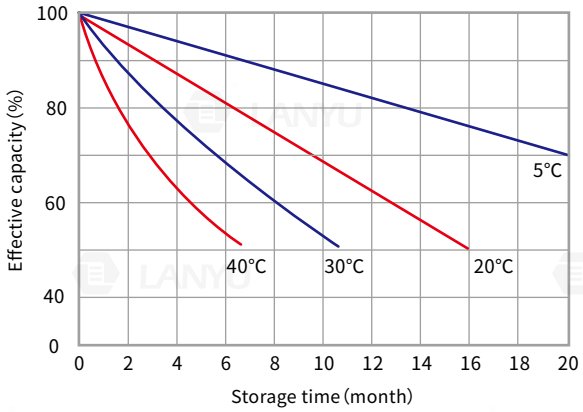
Discharge performance at different discharge rates(25°C/77°F)



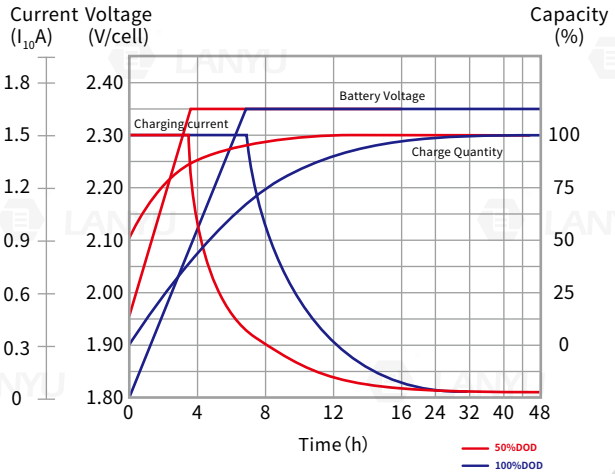
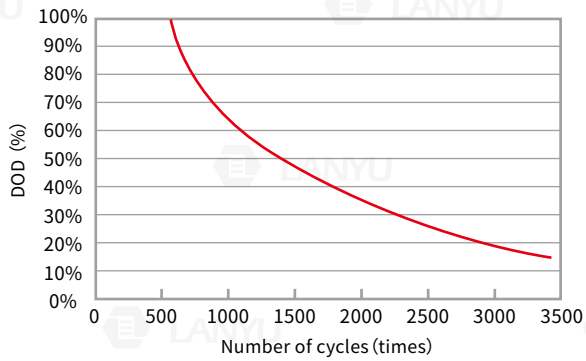
Temperature and discharge capacity



Self discharge parameters characteristics



Constant-potential charge



Cycle Service Life(25°C/77°F)