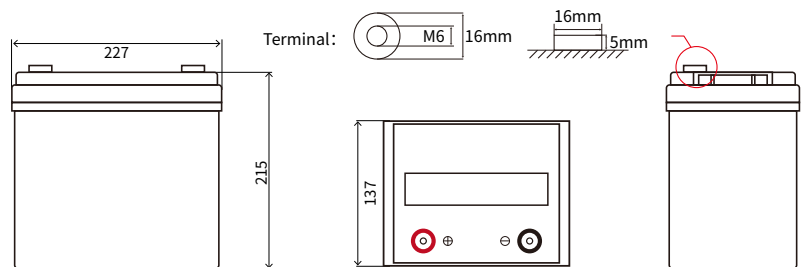


Yangzhou Dongtai Power Supply Co., Ltd. is located in Gaoyou Battery Industrial Park, Yangzhou City, Jiangsu Province. The company was established in 1988 and formally established in 2012. At present, the company has achieved satisfactory results in fields such as lead-acid gel batteries, solar energy 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-50 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                  | 50Ah                       | 14.5Kg                  | 30I <sub>10</sub> A(3min)            | ≤0.25C <sub>10</sub> | ≤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                     |                               |                |

### Features

“TORCHN” 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, telecommunica- tion 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                          | 26.55 | 12.07 | 8.07 | 5.20 | 2.69 | 1.13 | 0.61 | 0.54 | 0.29 |
| 1.75                         | 26.02 | 11.95 | 7.92 | 5.05 | 2.63 | 1.09 | 0.57 | 0.51 | 0.27 |
| 1.8                          | 25.50 | 11.83 | 7.80 | 5.00 | 2.56 | 1.05 | 0.55 | 0.47 | 0.25 |
| 1.85                         | 24.48 | 11.77 | 7.65 | 4.79 | 2.44 | 1.01 | 0.51 | 0.44 | 0.23 |
| 1.9                          | 23.50 | 11.66 | 7.54 | 4.69 | 2.40 | 0.98 | 0.50 | 0.42 | 0.22 |
| 1.95                         | 22.47 | 11.43 | 7.38 | 4.43 | 2.23 | 0.91 | 0.47 | 0.40 | 0.21 |

Constant current discharge coefficient(25°C, A)

### Contact information

| Contact number    | Fax               | E-mail             | Website           |
|-------------------|-------------------|--------------------|-------------------|
| +86 0514 82880056 | +86 0514 82880056 | alex@cndongtai.com | www.cndongtai.com |

### Certificate

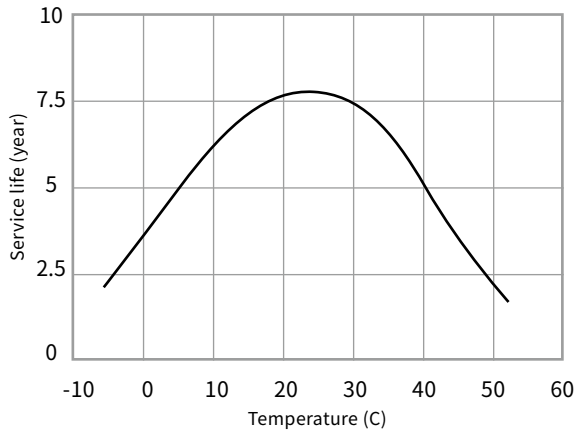
|                                             |
|---------------------------------------------|
| ISO9001                                     |
| CE                                          |
| Compliant standards:                        |
| GB/T 22473-2008                             |
| GB/T 19638.2-2005                           |
| 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                   |



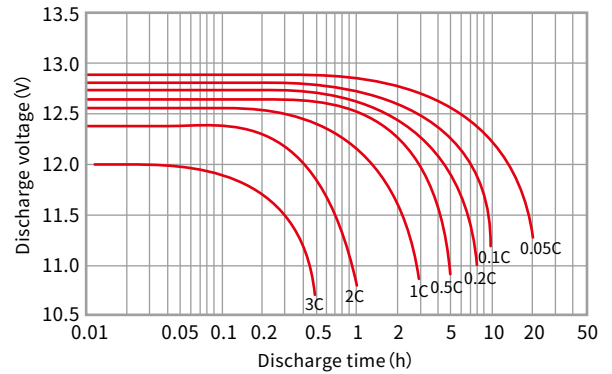
## Performance characteristics

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.

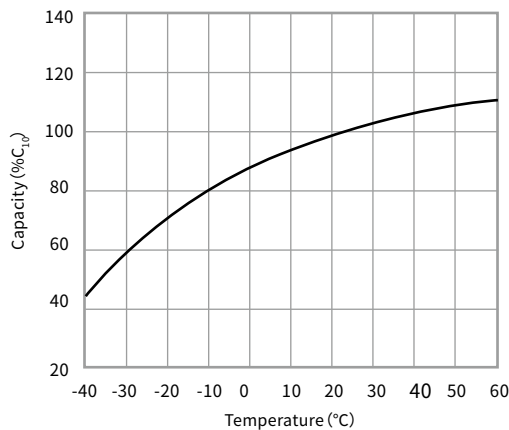
### Temperature and service life



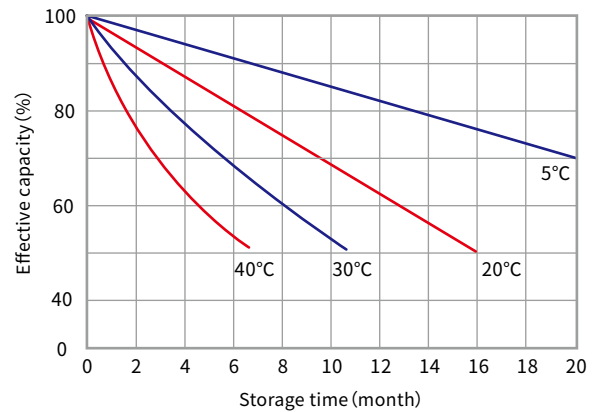
### Discharge performance at different discharge rates (25°C/77°F)



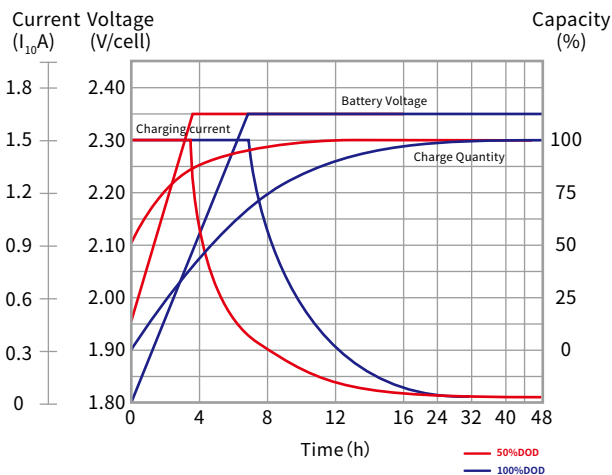
### Temperature and discharge capacity



### Self discharge parameters characteristics



### Constant-potential charge



### Cycle Service Life (25°C/77°F)

