



JY3000/JY4000

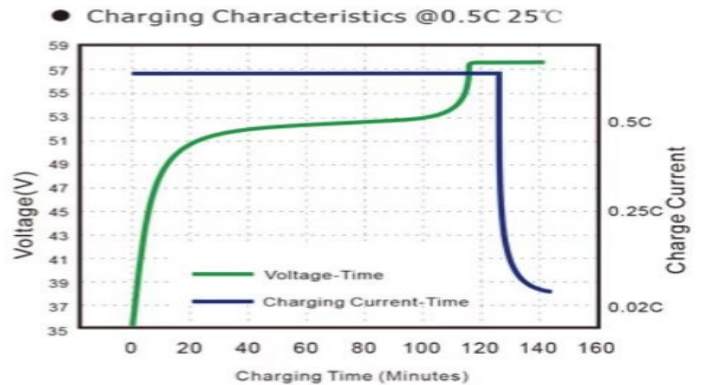
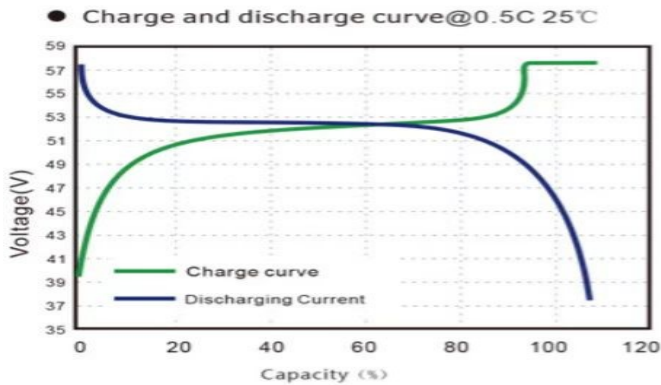


JY5000

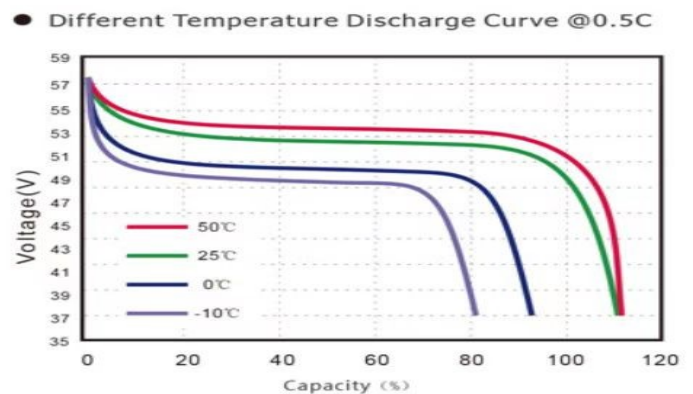
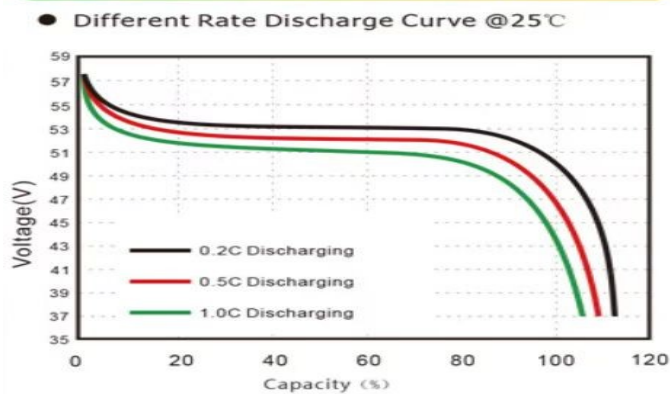
|            |   |                         |               |               |
|------------|---|-------------------------|---------------|---------------|
| Serial No. | Technical requirement                   | JY3000                  | JY4000        | JY5000        |
| 1          | Energy (Wh)                             | 2688                    | 4100          | 5376          |
| 2          | Standard voltage                        | 25.6V                   |               | 51.2V         |
| 3          | Charge protection voltage               | 29.2V                   |               | 58.4V         |
| 4          | Discharge protection voltage            | 20V                     |               | 40V           |
| 5          | Charging temperature range              | 0-55℃                   |               |               |
| 6          | Discharge temperature range             | -20-65℃                 |               |               |
| 7          | Relative humidity                       | 45%~85%                 |               |               |
| 8          | Storage (within 1 month)                | -20℃～45℃                |               |               |
| 9          | Storage (within 1 year)                 | 0℃～35℃                  |               |               |
| 10         | Storage humidity                        | <70%                    |               |               |
| 11         | Charging current (A)                    | 20                      | 50            | 50            |
| 12         | Standard discharge current (A)          | ≤50                     |               | ≤50           |
| 13         | Maximum discharge current (A)           | ≤100                    | ≤100          | ≤100          |
| 14         | Weight (kgs)                            | 35-40                   | 60-65         | 75-80         |
| 15         | Specification high * width * depth (mm) | 550*480*350mm           | 550*480*350mm | 650*480*350mm |
| 16         | Communication function                  | RS485、RS232、CAN         |               |               |
| 17         | Bluetooth function                      | Mobile phone connection |               |               |
| Inverter   |   |                         |               |               |
| 1          | AC input function                       | 110-220VAC              |               |               |
| 2          | DC input function                       | 20-30VDC                | 20-30VDC      | 40-60VDC      |
| 3          | PV input function                       | 40-150VDC               | 40-150VDC     | 120-500VDC    |
| 4          | AC output function                      | 110-220VAC              |               |               |
| 5          | Output frequency                        | 50Hz/60Hz               |               |               |
| 6          | Wireless WiFi（Optional）                 |                         |               |               |
| 7          | Inverter power                          | 3000W                   | 4000W         | 5000W         |

## PERFORMANCE CHARACTERISTICS

### Charging and Discharge curve



### Different current/Temperature Discharge curves



## FEATURES & BENEFITS



### High cycle life

> 5 years or 6000 cycles, effectively reducing the total cost of ownership.



### Longer service life

Low maintenance batteries with stable chemistry.



### Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



### Better storage

For up to 6 months, there is no risk of sulfate due to its extremely low self-discharge rate.



### Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



### Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



### Lightweight

Lithium iron phosphate energy storage batteries provide more power.

## APPLICATIONS

Lithium iron phosphate energy storage battery, suitable for home, street lamp, commercial, industrial and other electrical products:

- Caravan
- Marine
- Home energy storage
- Outdoor energy storage
- Solar Storage
- Remote Monitoring
- Switching applications and more

## CAUTIONS

- Do NOT short circuit, reverse polarity, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 30~50% SOC. Recharging every 3 months is recommended. The storage area should be clean, cool, dry and ventilated.