

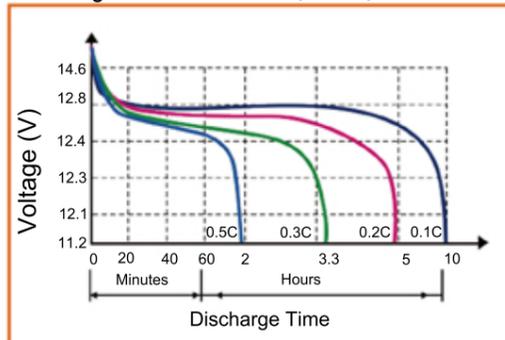


Features

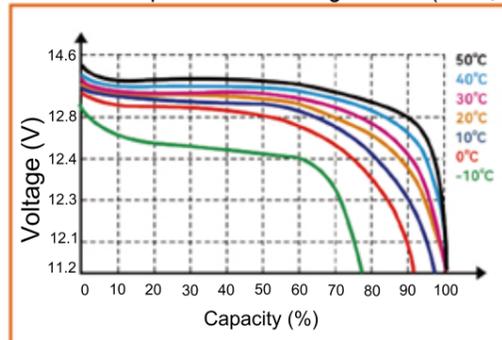
-  Lithium iron phosphate battery cells
-  Long service life
-  High power output
-  Multiple security measures
-  Multiple charging methods
-  Safe and efficient

Performance Curve

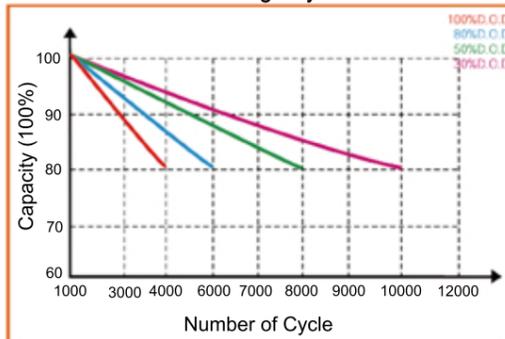
Discharge characteristics (25°C)



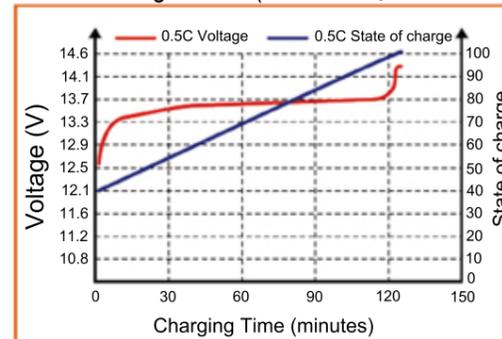
Different temperature discharge curve (0.5C)



Different DOD discharge cycle life curve 0.2C 25°C



State of charge curve (0.5C 25°C)



Data Sheet

| Model | SL-12.8-200AH |
|-----------------------------------|---|
| Electrical Characteristics | |
| Nominal Voltage | 12.8V |
| Nominal Capacity | 200AH@0.2C |
| Energy | 2560WH |
| Cycle Life | 4000 cycles @ 0.2C charging / discharging until 80% |
| Self Discharge | ≅ 3.5% per month at 25°C |
| Standard Charging | |
| Max. Charging Voltage | 14.0-14.6V |
| Charging Mode | At 0°C-45°C temperature charged to 14.6V at a constant current of 0.2C, and then charged continuously with constant voltage of 14.6V until the current was not more than 0.02C. |
| Charging Current | 40A |
| Max. Charging Current | 50A |
| Standard Discharging | |
| Discharging Current | 50A |
| Max. Continuous Current | 50A |
| Discharging Cut-off Voltage | 10.8V |
| Operating Condition | |
| Charge Temperature | 0°C to 45°C (32°F to 113°F) @ 60 ± 25% relative humidity |
| Discharge Temperature | -20°C to 60°C (-4°F to 140°F) @ 60 ± 25% relative humidity |
| Storage Temperature | 0°C to 45°C (32°F to 113°F) @ 60 ± 25% relative humidity |
| Connect Mode | 4 PCS in series at most |
| Structure | |
| Casing | ABS |
| Dimension (L*W*H) | 502*186*243mm |
| Weight | Approx. 18.2kg |
| Terminal | M8 |

Constant Current Discharge Data (Amperes @ 25°C) (Cut off voltage 10.8V)

| Discharging Time | 1H | 2H | 3H | 4H | 5H | 10H | 20H |
|---------------------|------|------|--------|-----|-----|-----|-----|
| Discharging Voltage | 200A | 100A | 66.67A | 50A | 40A | 20A | 10A |

Constant Current Discharge Data (Watts @ 25°C) (Cut off voltage 10.8V)

| Discharging Time | 1H | 2H | 3H | 4H | 5H | 10H | 20H |
|---------------------|-------|-------|---------|------|------|------|------|
| Discharging Voltage | 2560W | 1280W | 853.33W | 640W | 512W | 256W | 128W |

