

# High-voltage stacked lithium battery

## LFP Battery

51.2v 280ah 14.336kwh



## Container

### PRODUCT FEATURE



#### HIGH CYCLE LIFE

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of ownership.



#### FAST CHARGING SPEED

High charge and discharge efficiency, reducing equipment downtime and saving more time.



#### HIGHLY ADAPTABLE

Strong environmental adaptability, can withstand up to 60°C.



#### SAFER

Real-time monitoring of PDU for better system protection.



#### EASY TO STORE

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.



#### EASY TO STORE

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.

# Technical Data

|                           |  |  |                   |
|---------------------------|--|--|-------------------|
| BATTERY<br>PARAMETERS     | Model number                             | GHS-280                                |                   |
|                           | Rated voltage (V)                        | 51.2                                   |                   |
|                           | Rated capacity (Ah)                      | 280                                    |                   |
|                           | Rated energy of battery (kWh)            | 14.34                                  |                   |
|                           | Weight (kg)                              | 115.2                                  |                   |
|                           | Dimensions: Length * Width * Height (mm) | 798*478*278                            |                   |
|                           | Recommended charging current (A)         | 140                                    |                   |
|                           | Recommended discharge current (A)        | 140                                    |                   |
|                           | Charging temperature (°C)                | 0~55                                   |                   |
|                           | Discharge temperature (°C)               | -20~60                                 |                   |
| OPERATIONAL<br>PARAMETERS | Storage temperature (°C)                 | -10~40                                 |                   |
|                           | Operating humidity                       | 10%-95%【No condensation】               |                   |
|                           | Storage humidity                         | 5%-95%【No condensation】                |                   |
|                           | Multi-module (connection)                | 4PC Series (Min)                       | 15PC Series (Max) |
| SYSTEM<br>PARAMETERS      | Rated voltage (V)                        | 153.6                                  | 768               |
|                           | Rated energy (kWh)                       | 43                                     | 215.04            |
|                           | Operating voltage range (V)              | 179.2~230.4                            | 672~864           |
|                           | Size: L * W * H (mm)                     | 798*478*1367                           | 798*1500*1645     |
|                           | Weight (kg)                              | 484.6                                  | 1751.8            |
|                           | Port communication                       | CAN                                    |                   |
|                           | IP rating                                | IP20                                   |                   |
|                           | Compatible with inverter                 | Growatt,Solis Goodwe,Sol-Ark,SRNE,DEYE |                   |
|                           | Cycle life                               | > 6000 (0.5C@ 25°C, 90% DOD)           |                   |
|                           | Design lifespan (years)                  | 15                                     |                   |