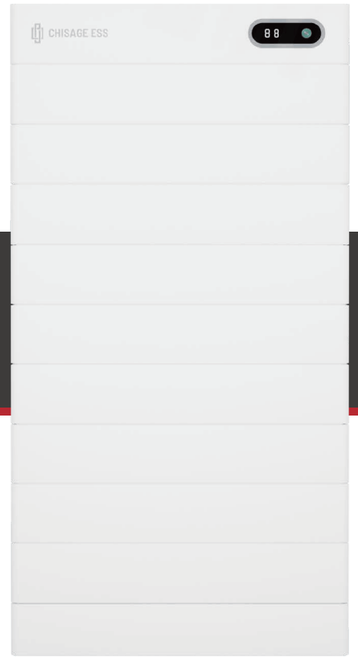
# Lithium Battery Stack System

GAN7-SH
GAN30/38/46/53/61/69-SH




## Product Features

- Ultra-high energy density, small size, and convenient installation and transportation
- Battery modules feature a wire-free design and support plug-and-play functionality
- Protection grade IP65, ultra-high environmental compatibility
- Intelligent temperature and voltage collection to ensure battery safety
- Convenient and fast operation and maintenance, supporting cloud OTA
- Battery module-level fire protection and heating（optional）

## Technical Data

| | |
|---|---|
| Model | GAN7-SH |
| Connection Style | 24S |
| Nominal Energy (Wh) | 7,680 |
| Nominal Capacity (Ah) | 100 |
| Nominal Voltage (V) | 76.8 |
| Operation Voltage Range (V) | 67.2~86.4 |
| Recommend Charge Current (A) | 50 |
| Max. Continuous Charge Current (A) | 50 |
| Recommend Discharge Current (A) | 50 |
| Max. Continuous Discharge Current (A) | 100 |
| Operation Temperature | Charge Temperature: -20°C~55°C①<br>Discharge Temperature: -20°C~55°C |
| Operation Humidity | 0~95%RH (No condensing) |
| Protection Degree | IP65 |
| Dimension (mm) | 880(L)x400(W)x150(H) |
| Net Weight (kg) | 65 |
| Installation | Floor Mounted |

## Technical Data

| Model | GAN30-SH | GAN38-SH | GAN46-SH | GAN53-SH | GAN61-SH | GAN69-SH |
|---|---|---|---|---|---|---|
| Stack Quantity | 4 | 5 | 6 | 7 | 8 | 9 |
| Nominal Energy (KWh) | 30.72 | 38.4 | 46.08 | 53.76 | 61.44 | 69.12 |
| Nominal Capacity (Ah) | 100 | | | | | |
| Nominal Voltage (V) | 307.2 | 384 | 460.8 | 537.6 | 614.4 | 691.2 |
| Operation Voltage Range (V) | 268.8-345.6 | 336-432 | 403.2-518.4 | 470.4-604.8 | 537.6-691.2 | 604.8-777.6 |
| Recommend Charge Current (A) | 50 | | | | | |
| Max. Continuous Charge Current (A) | 50 | | | | | |
| Recommend Discharge Current (A) | 50 | | | | | |
| Max. Continuous Discharge Current (A) | 100 | | | | | |
| Max. Parallel Quantities (system) | 4 | | | | | |
| Operation Temperature | Charge Temperature: -20°C~55°C①<br>Discharge Temperature: -20°C~55°C | | | | | |
| Operation Humidity | 0~95%RH (No condensing) | | | | | |
| Protection Degree | IP65 | | | | | |
| Fire Protection System | Aerosol fire suppression device (optional) | | | | | |
| WiFi Module | Built-in WIFI module;app OTA function | | | | | |
| Dimension (mm)(L*W*H) | 880x400x850 | 880x400x1000 | 880x400x1150 | 880x400x1300 | 880x400x1450 | 880x400x1600 |
| Net Weight (kg) | 295 | 360 | 425 | 490 | 555 | 620 |
| Certification | IEC62619, CE-EMC, LVD, ROHS, UN38.3 | | | | | |
| Communication | CAN, RS485 | | | | | |
| Cycle Life② | ≥8,000 | | | | | |

Note ①: Charging at -20°C to 0°C need to add heating module.
②: Cycle Life 95%DOD, 70%EOL@25°C/0.2C