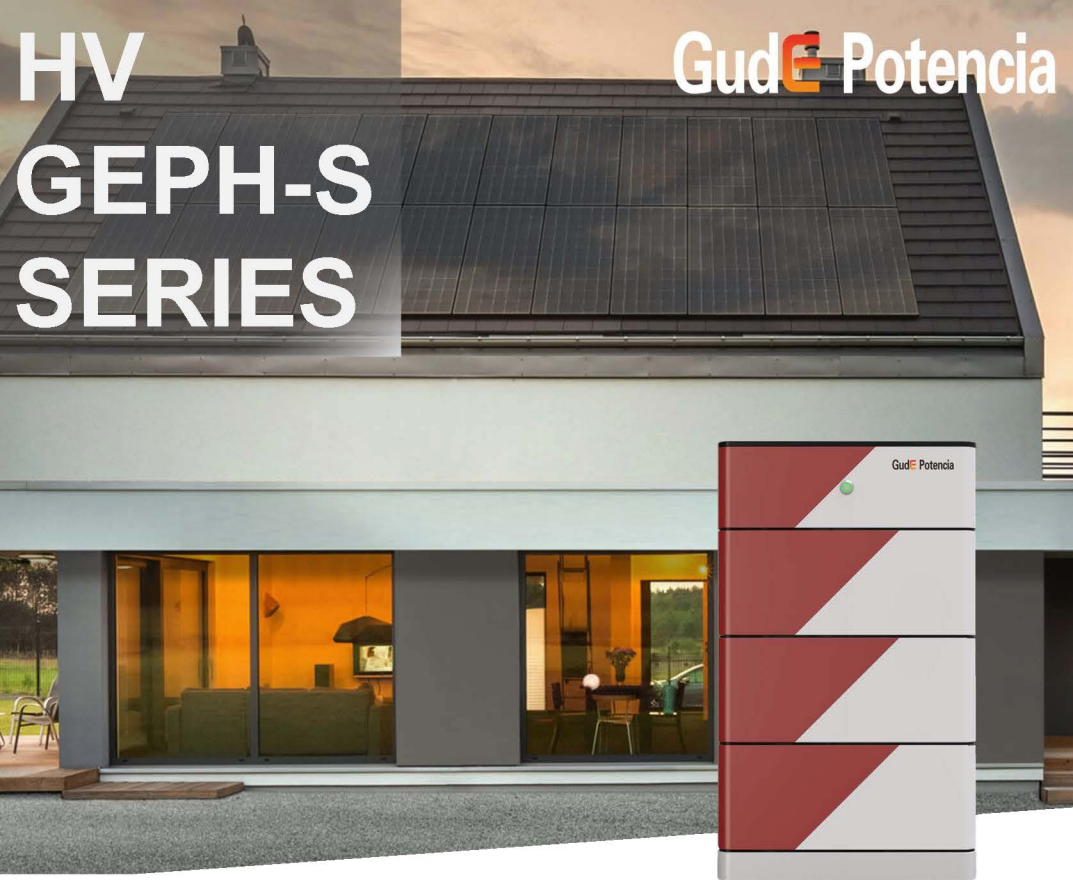


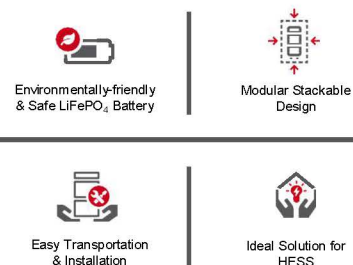
# HV GEPH-S SERIES

GudE Potencia



## MODULAR HIGH VOLTAGE LFP BATTERY FOR HESS

GudE Potencia HV GEPH-S Series is a new type of High Voltage energy storage system which is consisted of LFP battery pack and PDU. Modular stackable design offers the extendable capacity from 10.24kWh to 30.72kWh, IP65 protection can meet a variety of outdoor & indoor energy storage scenarios.



### FEATURES

- High-Efficient Energy Storage Batteries
- Safe & Reliable Performance with LiFePO<sub>4</sub> Cell
- Flexible Modular & Upgradeable Design
- Integrated Smart Battery Management System (BMS)
- Easy Installation & Transportation
- Longer cycle life ≥ 4000 cycles

## LFP BATTERY HV GEPH-S SERIES

### TECHNICAL SPECIFICATIONS

MODEL	HV GEPH-S01
Rated Current	0.5C @ 50Ah
Max. Energy (kWh)	30.72kWh
Battery Quantity in Series (pcs)	2N±6
Dimension (WxDxH) mm	552x360x1576 mm
Max. Weight (kg)	302kg
Operation Temperature Range	0 ~ 55°C (32 ~ 131°F)
Relative Humidity	0 ~ 95%
Maximum Working Altitude	3000m
Enclosure Protection	IP54
Cooling Method	Air Cooling
Communication	RS485, CAN
Recommended Charge/Discharge Current (A)	25A
Max. Continuous Charge/Discharge Current (A)	50A
Recommended Charge Voltage (V)	N*116.8V (N: battery quantity in series)
Recommended Discharge Cut-Off Voltage (V)	N*80V (N: battery quantity in series) (2.5V/Cell)
Rated Capacity (Ah)	50Ah @ 25±2°C, 0.5C
Rated Voltage (V)	102.4V
Operation Voltage Range (V)	80.0 ~ 116.8V
Rated Energy (kWh)	5.12kWh
Operation Temperature Range (Charge)	0 ~ 55°C (32 ~ 131°F)
Operation Temperature Range (Discharge)	-20 ~ 55°C (-4 ~ 131°F)
Dimension (LxWxH) mm	552x360x222 mm
Approx. Weight (kg)	48.0±0.5kg
Self-discharge Rate	≤3%/month @ 25°C, 50% SOC

Parameters are subject to change without prior notice.

### FUNCTIONS LAYOUT

