

HGNESS

ENERGY STORAGE

C&I SOLUTIONS

Floor-Mounted Batteries



Safety & Convenience

- Modular design with plug-in connections
- Quick connections between battery and inverter
- Quick & easy-to-install with basic tools
- Steady and anti-dumping design



Reliable

- IP66 rated design
- PACK-level fire protection
- LFP safe technology
- All-round BMS protection



User-friendly

- Stackable and Expandable up to 61.44 kWh (supporting 12 modules per unit);
- Supports parallel operation of up to 5 battery clusters;
- Multi-use applications: self-consumption, peak shaving, time of use tariffs ;
- Online monitoring via apps ;

Technical Data	HG-C&I-HV3-15	HG-C&I-HV4-20	HG-C&I-HV5-25	HG-C&I-HV6-30	HG-C&I-HV7-35
Cell Type	LiFePO4				
Battery Module	HG-C&I-HVP: 51.2V5.12kWh				
Number of Modules (Stackable)	3	4	5	6	7
Capacity	100 Ah				
Rated Energy	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh
Usable Energy	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh
Rated Voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V
Voltage Range	134.4 ~ 172.8 V	179.2 ~ 230.4 V	224 ~ 288 V	268.8 ~ 345.6 V	313.6 ~ 403.2 V
Rated Power	7.60 kW	10.24 kW	12.80 kW	15.30 kW	17.90 kW
Rated Charge/ Discharge Current	50 A				
Max. Charge/ Discharge Current	60 A				
Depth of Discharge	Max. 100 % DOD				
Dimension (W*D*H)	600/400/619 mm	600/400/754 mm	600/400/889 mm	600/400/1024 mm	600/400/1159 mm
Weight	156.5 kg	201.5 kg	246.5 kg	291.5 kg	336.5 kg
Installation Location	Indoor / Outdoor				
Installation Method	Floor-mounted				
Operating Temp.	Charging: 2 ~ 55 °C / Discharging: -20 °C ~ 58 °C				
Cooling	Natural Cooling				
IP Rating	IP66				
RH %	5 ~ 95 %, non-condensing				
Communication	CAN / RS485 / WIFI				
Certifications	UN38.3 / IEC 62619 / IEC 62040/ IEC 62477 / IEC61000/ RoHS				
Cycle Life ¹	≥ 6,000 cycles				
Warranty ²	10 Years				

Technical Data	HG-C&I-HV8-40	HG-C&I-HV9-45	HG-C&I-HV10-50	HG-C&I-HV11-55	HG-C&I-HV12-60
Cell Type	LiFePO4				
Battery Module	HG-C&I-HVP: 51.2V5.12kWh				
Number of Modules (Stackable)	8	9	10	11	12
Capacity	100 Ah				
Rated Energy	40.96 kWh	46.08 kWh	51.2 kWh	56.32 kWh	61.44 kWh
Usable Energy	40.96 kWh	46.08 kWh	51.2 kWh	56.32 kWh	61.44 kWh
Rated Voltage	409.6 V	460.8 V	512 V	563.2 V	614.4 V
Voltage Range	358.4 ~ 460.8 V	403.2 ~ 518.4 V	448.0 ~ 576.0 V	492.8 ~ 633.6 V	537.6 ~ 691.2 V
Rated Power	20.40 kW	23.00 kW	25.50 kW	28.00 kW	30.00 kW
Rated Charge/ Discharge Current	50 A				
Max. Charge/ Discharge Current	60 A				
Depth of Discharge	Max. 100 % DOD				
Dimension (W*D*H)	600/400/1294 mm	600/400/1429 mm	600/400/1564 mm	600/400/1699 mm	600/400/1834 mm
Weight	381.5 kg	426.5 kg	471.5 kg	516.5 kg	561.5 kg
Installation Location	Indoor / Outdoor				
Installation Method	Floor-mounted				
Operating Temp.	Charging: 2 ~ 55 °C / Discharging: -20 °C ~ 58 °C				
Cooling	Natural Cooling				
IP Rating	IP66				
RH %	5 ~ 95 %, non-condensing				
Communication	CAN / RS485 / WIFI				
Certifications	UN38.3 / IEC 62619 / IEC 62040/ IEC 62477 / IEC61000/ RoHS				
Cycle Life ¹	≥ 6,000 cycles				
Warranty ²	10 Years				

¹ Test conditions: 25 °C, 95 % (DOD), 0.2C charge & discharge , 70% EOL

² Refer to battery warranty letter for conditional application.

Information might be subject to change without notice during product improving.