HIONE - SINGLE-PHASE INVERTER

HiOne-(3.6-12)S-G3-AU



Features

Slimmer

Integrates the inverter, battery, and EMS into one compact stackable system, reducing the overall footprint compared to separate components.

Faster

Plug-and-play connections and a stackable design enable installation within 15 minutes.

Stronger

Supports flexible system design with up to 4 MPPTs and up to 20 A input current, while enabling mix-and-match battery expansion up to 64 kWh per system.

Technical Specifications

Model	HiOne-3.6S-G3-AU	HiOne-4.6S-G3-AU	HiOne-5S-G3-AU	HiOne-6S-G3-AU	HiOne-8S-G3-AU	HiOne-10S-G3-AU	HiOne-12S-G3-AU
Battery							
Battery type	Li-ion						
Battery voltage range (V)	390-550						
Compatible battery model	HiOne-8B-G3						
Number of modules	1-8[1]						
PV Input							
Recommended max. PV power (W)	7200	9200	10000	12000	16000	20000	24000
Max. input voltage (V)	600						
Rated voltage (V)	390						
Start-up voltage (V)	70						
MPPT voltage range (V)	50-550						
Max. input current (A)	18/18/18	18/18/18	18/18/18	18/18/18	18/18/18/18	18/18/18/18	18/18/18/18
Max. short circuit current (A)	27/27/27	27/27/27	27/27/27	27/27/27	27/27/27/27	27/27/27/27	27/27/27/27
MPPT number/Max. input strings number	3/3	3/3	3/3	3/3	4/4	4/4	4/4
AC Output							
Rated output power (W)	3680	4600	4900	6000	8000	9900	12000
Max. on-grid output apparent power (VA)	3680	4600	4900	6000	8000	9900	12000
Max. output current (A)[2]	16	20	21.3	27.3	36.4	43	54.5
Max. off-grid output apparent power (VA)[3]	5520 (10s)	6900 (10s)	7500 (10s)	9000 (10s)	12000 (10s)	15000 (10s)	18000 (10s)
Grid form	L/N/PE						
Nominal AC output voltage (V)	220/230/240						
Nominal grid frequency (Hz)	50/60						
Power factor	>0.99 (0.8 leading-0.8 lagging)						
THDi (@rated output)	<3%						
Efficiency							
Max. efficiency	98.0%						
EU efficiency	97.5%						
Protection							
Anti-islanding protection	Integrated						
PV string input reverse polarity protection	Integrated						
Insulation resistor detection	Integrated						
Residual current monitoring unit	Integrated						
AC overcurrent protection	Integrated						
AC short circuit protection	Integrated						
AC overvoltage and undervoltage protection	Integrated						
Surge protection	DC Type II / AC Type II						
General							
Dimensions (W × H × D [mm])	620 × 360 × 255						
Weight (kg)	27						
Mounting	Wall-mounted / Floor-standing						
Operating temperature (°C)	-30 to +65 (>45, derating)						
Relative humidity	0-95%, no condensation						
Cooling	Natural convection	Natural convection	Natural convection	Natural convection	Intelligent air cooling	Intelligent air cooling	Intelligent air cooling
Topology (Solar/Battery)	Transformerless/High-frequency isolation						
Altitude (m)	≤4000						
Protection degree	IP66						
User interface	LED & App						
Communication	RS485, Bluetooth, Wi-Fi / Ethernet / 4G (optional)						
Warranty[4]	10 Years						
Standard Compliance							
Grid connection standard	EN 50549-1/-10, NF EN 50549-1/-10, CEI0-21, AS/NZS 4777.2, PEA/MEA, TOR Erzeuger Type A, NTS 631, UNE 217001, UNE 217002						
Safety / EMC standard	IEC/EN 61000-6-1/-2/-3/-4, EN 62920, IEC/EN 62109-1&2						

(1) Up to four modules can be stacked in one battery tower.
(2) The value is calculated based on a voltage of 230 V.
(3) Applicable only when the inverter is connected to Hoymiles gateway.
(4) For specific warranty policies, please refer to the relevant warranty documents.

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HIONE - BATTERY

HiOne-8B-G3



Features

01 Equipped with 314 Ah large-capacity cells for extended cycle life and enduring performance

02 Multi-layer protection mechanisms ensure comprehensive electrical safety

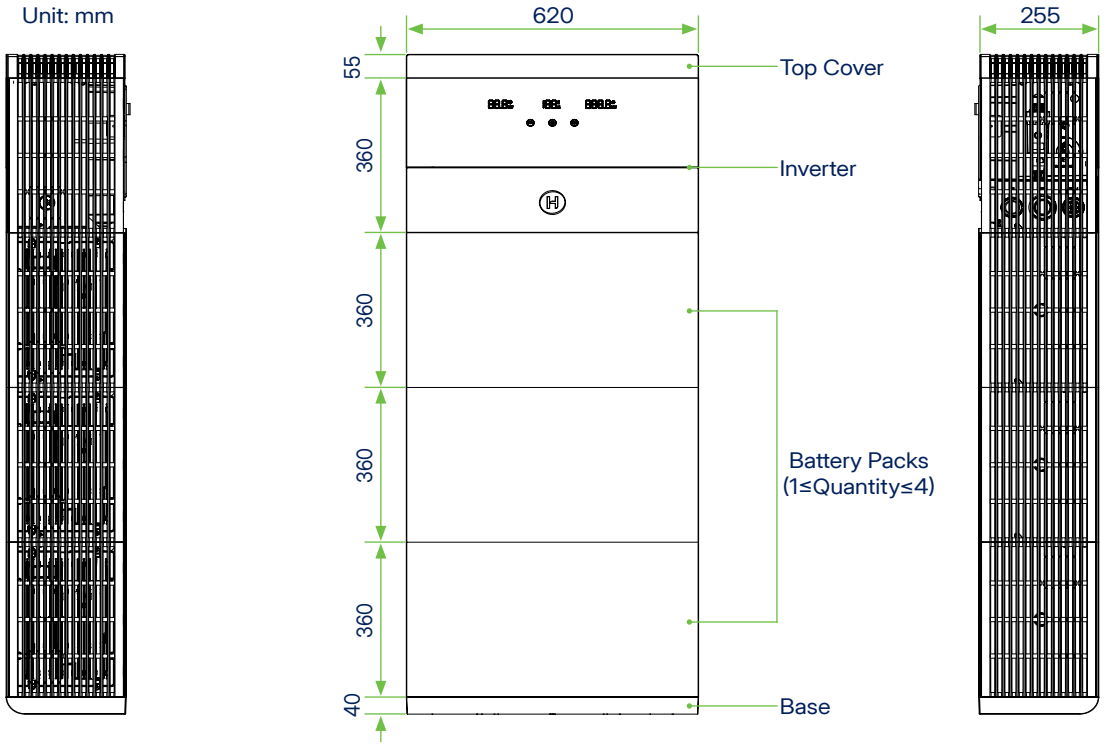
03 Built-in optimizers support mixed use of new and old battery packs, maximizing system scalability

04 Adapts to low temperature with self-heating technology, ensuring performance even in extreme cold

Technical Specifications

Model	HiOne-8B-G3
Battery Data	
Battery type	$LiFePO_4$
Cell capacity (Ah)	314
Cycle life	8000(1)
Total energy (kWh)	8
Usable energy (kWh)	7.8(2)
Depth of discharge	100%(3)
Max. charging/discharging power (kW)	4
Peak discharge power (kW)	6 (10 s)
Max. stackable quantity	4
Max. parallel quantity	2
General	
Dimensions (W × H × D [mm])	620 × 360 × 255 (single pack)
Weight (kg)	67
Mounting	Wall-mounting / Floor-standing
Installation environment	Indoor / Outdoor
Storage temperature range (°C)	-25 to +60
Charging/discharging temperature range (°C)	-20 to +55
Protection degree	IP66
Cooling	Natural convection
Altitude (m)	≤4000
Relative humidity range	5% - 95%
Compatible inverters	HiOne-(8-20)T-G3-AU, HiOne-(3.6-12)S-G3-AU
Warranty(4)	10 Years

(1) This value is provided by the cell manufacturer and is based on the following conditions: SOH=70%, 0.5 C charge/discharge rate at 25±2°C.
(2) This value is measured at the beginning of life under the following conditions: 100% depth of discharge, 0.2 C charge/discharge rate at 25±2°C.
(3) This value refers to the usable energy capacity of the battery. To keep the battery in good condition, recharge it within 7 days after it has been fully discharged.
(4) For specific warranty policies, please refer to the relevant warranty documents.



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