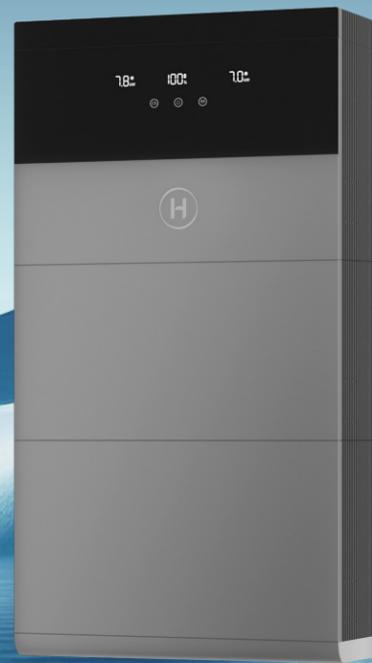


HIONE - SINGLE-PHASE INVERTER

HiOne-(3.6-12)S-G3



Inverter

Battery

Features

- 01** Up to 200% DC/AC oversizing to significantly boost power generation efficiency
- 04** Enables up to 150% off-grid peak output, allowing effortless startup of inductive loads
- 02** Four independent 18 A MPPTs, perfectly compatible with high-power modules and multi-orientation rooftops
- 05** Built-in intelligent EMS automatically optimizes energy storage and consumption strategies
- 03** Rugged IP66 enclosure design ensures performance in harsh environments
- 06** Integrated AFCI (Arc Fault Circuit Interrupter) actively detects arcs to prevent fire hazards

Technical Specifications

Model	HiOne-3.6S-G3	HiOne-4.6S-G3	HiOne-5S-G3	HiOne-6S-G3	HiOne-8S-G3	HiOne-10S-G3	HiOne-12S-G3
Battery							
Battery type	Li-ion						
Battery voltage range (V)	390-550						
Max. charge/discharge current (A)	9.4/9.9	11.8/12.4	12.8/13.5	15.4/16.2	20.5/21.5	25.6/26.9	30.0/30.0
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 Input and Output (On-grid)							
Rated input/output power (W)	3680	4600	5000	6000	8000	10000	12000
Max. on-grid input/output apparent power (VA)	3680	4600	5000	6000	8000	10000	12000
Max. input/output current (A)	16.7	20.9	22.7	27.3	36.4	45.5	54.5
Grid form	L/N/PE						
Rated AC input/output voltage (V)	220/230/240						
Rated grid frequency (Hz)	50/60						
Power factor	>0.99 (0.8 leading-0.8 lagging)						
THDi (@rated output)	<3%						
AC Output (Off-grid)							
Rated output power (W)	3680	4600	5000	6000	8000	10000	12000
Peak output power (W) ⁽²⁾	5520 (10 s)	6900 (10 s)	7500 (10 s)	9000 (10 s)	12000 (10 s)	15000 (10 s)	18000 (10 s)
Grid form	L/N/PE						
Rated AC output voltage (V)	220/230/240						
Rated grid frequency (Hz)	50/60						
Power factor	>0.99 (0.8 leading-0.8 lagging)						
THDv (@rated output)	<3%						
Back-up switch time (ms)	0						
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	Floor-standing / Wall-mounting (optional)						
Storage temperature (°C)	-40 to +70						
Operating temperature (°C)	-30 to +65 (>45, derating)						
Relative humidity	0-100%						
Cooling	Natural convection	Natural convection	Natural convection	Natural convection	Intelligent air cooling	Intelligent air cooling	Intelligent air cooling
Topology	Non-isolation						
Altitude (m)	≤4000						
Protection degree	IP66						
Noise (dB)	<35	<35	<35	<35	<55	<55	<55
User interface	LED & App						
Communication	RS485, Bluetooth/Wi-Fi/WL/4G (optional)						
Warranty	10 years						

(1) Up to 4 modules can be stacked in one battery tower.
 (2) Applicable only when the inverter is connected to Hoymiles gateway.

HIONE - HIGH VOLTAGE BATTERY

HiOne-8B-G3



Inverter

Battery

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
Total energy (kWh)	8
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
Charging/discharging temperature (°C)	-20 to +55
Protection degree	IP66
Cooling	Natural convection
Altitude (m)	≤4000
Warranty	10 years

Unit: mm

