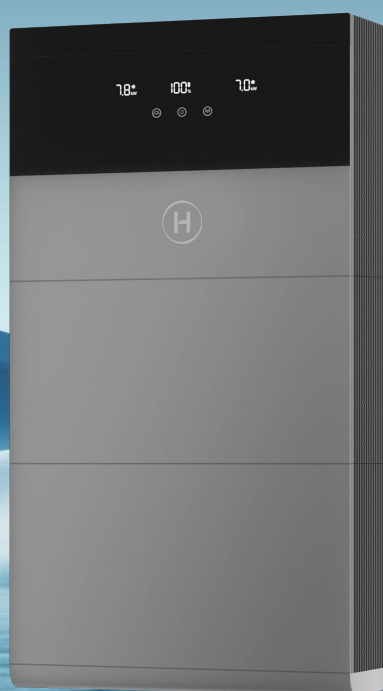


HIONE - SINGLE-PHASE INVERTER

HiOne-(3.6-12)S-G3



Inverter

Battery

Features

- 01 Up to 200% DC/AC oversizing to significantly boost power generation efficiency
- 02 Four independent 18 A MPPTs, perfectly compatible with high-power modules and multi-orientation rooftops
- 03 Rugged IP66 enclosure design ensures performance in harsh environments
- 04 Enables up to 150% off-grid peak output, allowing effortless startup of inductive loads
- 05 Built-in intelligent EMS automatically optimizes energy storage and consumption strategies
- 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			
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			
Max. short circuit current (A)	27/27/27			27/27/27/27			
MPPT number/Max. input strings number	3/3			4/4			
AC Output							
Rated output power (W)	3680 ⁽²⁾	4600 ⁽³⁾	5000	6000	8000	10000	12000
Max. on-grid output apparent power (VA)	3680 ⁽²⁾	4600 ⁽³⁾	5000	6000	8000	10000	12000
Max. output current (A)	16 ⁽²⁾	20 ⁽³⁾	22.7	27.3	36.4	45.5	54.5
Max. off-grid output apparent power (VA) ⁽⁴⁾	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)	24.5			28.5			
Mounting				Wall-mounted / Floor-standing			
Operating temperature (°C)				-30 to +65 (>45, derating)			
Relative humidity				0-95%, no condensation			
Cooling	Natural convection			Intelligent air cooling			
Topology				Non-isolation			
Altitude (m)				≤4000			
Protection degree				IP66			
Noise (dB)	<35			<55			
User interface				LED & App			
Communication				RS485, Bluetooth, Wi-Fi / Ethernet / 4G (optional)			
Warranty				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.

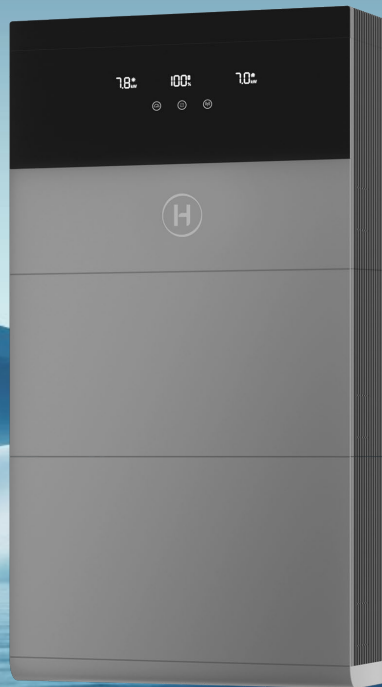
(2) This value compliance with G98.

(3) This value compliance with VDE 4105.

(4) Applicable only when the inverter is connected to Hoymiles gateway.

HIONE - 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
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, HiOne-(3.6-12)S-G3
Standard compliance	IEC/EN 60730-1, IEC/EN 61000-6-1&3, UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62477
Warranty	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.

