

Model	H9E
DC INPUT (SOLAR SIDE)	
Max. input voltage	600 V
Nominal voltage	380 V
Max. operating voltage	540 V
Start-up voltage	50 V
Operating MPPT voltage range	50 V ~ 480 V
Full power MPPT voltage range	280 V ~ 480 V
Max. input current / MPPT	12 A
Max. short circuit current / MPPT	15 A
Max. DC/AC ratio ¹	1.3
DC disconnect	Integrated
MPP tracke	4
AFCI	Type 1 (UL1699B)
Max. inverter backfeed current to the Array	0 A
AC OUTPUT (GRID-TIED)	
Rated continuous power @ 230Vac	8280 W
Rated continuous power @ 240Vac	8640 W
Max. apparent power @ 250Vac	9000 VA
Rated apparent power	8280 VA
Nominal voltage	230 V / 240 V
Max./rated continuous current	36 A
Max. power export to Grid	5000 VA ²
Max. current export to Grid	21.7 A
Nominal operating frequency	50 Hz
Night consumption	< 1.5 W ³
THD @ rated power	< 3 %
Adjustable power factor range	0.8 ind - 0.8 cap
Inrush current	25.6 Apk, 1ms
Maximum overcurrent protection	45 A
AC OUTPUT (STANDALONE)	
Nominal voltage	230 V / 240 V
Max. continuous current	36 A
Max. continuous power	9 KVA(Linear load)/7.2 KVA(RCD Load)
Nominal operating frequency	50 Hz
BATTERY TERMINAL PARAMETERS	
Nominal voltage	540 V
Range of DC charging voltage	350 V ~ 540 V
Range of DC discharging voltage	350 V ~ 540 V

Model	H9E
Max. charging current	20 A
Max. charging power	6000 VA
Max. discharging current	20 A
Max. discharging power	6000 VA
Storage type	Lithium

GENERAL SPECIFICATION

Max. efficiency	98.0 %
EU efficiency	97.3 %
Operating Temp. range	-25 °C to 65 °C (derating above 45 °C)
Storage Temp. range	-40 °C to 85 °C
Humidity	0% to 95%
Max. operating altitude	9,843 ft (3,000 m)
Acoustic noise	< 45 dB(A) @ 3 ft (1m)
Communication interface	WiFi, optional BLE, Ethernet, 3G / 4G cellular communication
Inverter Topology	Non-isolated
Active anti-islanding method	Reactive power variation ⁴ , Comply with IEC 62116
Residual Current Device (RCD)	Integrated ⁵
Protective class	Class I
Over voltage category	OVC II (PV) and OVC III (mains)

MECHANICAL DESIGN

Dimensions (W x H x D)	425 x 590 x 160 mm
Display	LED indicators
Weight	21.6 kg
Cooling	Natural convection

STANDARDS

Enclosure protection rating	IP 65
Safety	IEC 62109-1/-2, IEC 62040
EMC	EN 61000
Grid support regulation	AS/NZS 4777.2:2020

WARRANTY AND OTHERS

Standard warranty	5 years, optional 10 years
Country of manufacturer	Taiwan

- 1) The DC/AC ratio is defined as the ratio between STC power rating of the connected PV array and rated AC continuous output power @230Vac that can be delivered by a given inverter.
- 2) The export limit of 5KVA is achieved by software if CT is installed.
- 3) Without consumption of WiFi communication
- 4) Periodically inject reactive power variation to grid
- 5) This inverter includes an integrated residual current device (RCD). If an external residual current device (RCD) is used, a device of Type A should be used, with tripping current of 30mA.

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Specifications subject to change without prior notice.