

Model	H8E	H10E
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	7360 W	9200 W
Rated continuous power @ 240Vac	7680 W	9600 W
Max. apparent power @ 250Vac	8000 VA	10000 VA
Rated apparent Power	7360 VA	9200 VA
Nominal voltage	230 V / 240 V	
Max./rated continuous current	32 A	40 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	40 A	50 A
AC OUTPUT (STANDALONE)		
Nominal voltage	230 V / 240 V	
Max. continuous current	32 A	40 A
Max. continuous power	8 KVA(Linear load)/6.4 KVA(RCD Load)	10 KVA(Linear load)/8 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	H8E	H10E
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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