

# SOLAREGE SINGLE-PHASE RESIDENTIAL INVERTERS WITH HD-WAVE GENESIS TECHNOLOGY

SE5000H-AUL00BNU4 / SE6000H-AUL00BNU4 / SE8250H-AUL00BNU4 /  
SE10000H-AUL00BNU4

The SolarEdge HD-Wave Genesis PV inverters are designed to work with SolarEdge Power Optimisers that manage each solar panel separately.

Consequently, these inverters are only responsible for DC to AC conversion, making it a less complicated and more reliable solar inverter.

A fixed-string voltage ensures operation at the highest efficiency at all times.



**solar***edge*



USE WITH SOLAREGE  
POWER OPTIMISERS  
FOR INDIVIDUAL  
PANEL OPTIMISATION

## HOW YOU BENEFIT



### HIGH EFFICIENCY

With inverter efficiency of up to 99.2%, generating more power from your PV system.



### FLEXIBLE DESIGN

Individual panel management allows flexible designs and increased power production.



### SAFE OPERATION

Lightweight inverter suitable for outdoor installations.



### INNOVATIVE

Award winning HD-Wave Technology and built-in wireless communication interface to monitor system's performance.

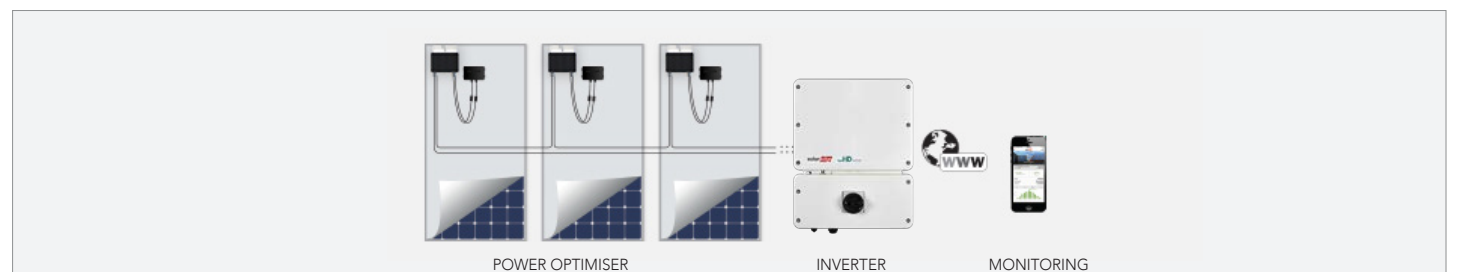


### SOLAHART WARRANTY

Enjoy a 12-year warranty, for peace of mind.\*

## Technical Data

INVERTER TECHNICAL DATA		SE5000H-AUL00BNU4	SE6000H-AUL00BNU4	SE8250H-AUL00BNU4	SE10000H-AUL00BNU4
Output (AC)					
Rated AC power output		5000 VA	6000 VA	8250 VA	10000 VA
Maximum AC power output		5000 VA	6000 VA	8250 VA	10000 VA
AC output voltage (nominal)		220 / 230 Vac			
AC output voltage range		184 - 264.5 Vac			
AC frequency (nominal)		50 / 60 ± 5 Hz			
Maximum continuous output current		23 A	27.5 A	37.5 A	45.5 A
Utility monitoring, island protection, country configurable thresholds		Yes			
Input (DC)					
Maximum DC power (module STC)		7750 W	9300 W	12785 W	15500 W
Transformerless, ungrounded		Yes			
Maximum input voltage		480 Vdc			
Nominal DC input voltage		380 Vdc		400 Vdc	
Maximum input current		13.5 Adc	16.5 Adc	22 Adc	25.5 Adc
Reverse-polarity protection		Yes			
Ground-fault isolation detection		600 kΩ Sensitivity			
Maximum inverter efficiency		99.2%			
European weighted efficiency		99%			
Night time power consumption		<2.5 W			
Product Details					
SolarEdge part number		SE5000H-AUL00BNU4	SE6000H-AUL00BNU4	SE8250H-AUL00BNU4	SE10000H-AUL00BNU4
Solahart Warranty		12 years*			
Standard Compliance					
Safety		IEC-62109, AS/NZS3100			
Emissions		AS/NZS 4777:2015			
Grid connection standards		IEC 61000-6-2, IEC 61000-6-3, IEC 61000-3-11, IEC 61000-3-12, FCC part 15 class B			
Installation Specifications					
AC output / conductor cross section		maximum 25 mm Conduit / 1-13 mm²			
DC input / conductor cross section		maximum 25 mm Conduit / 1-13 mm²			
Dimensions (W x H x D)		370 x 450 x 174 mm		370 x 540 x 185 mm	
Weight		11.4 kg	11.9 kg	17.6 kg	
Cooling		Natural convection			
Noise		<25 dBA		<50 dBA	
Operating temperature range		-40°C to 60°C (power derating from 50°C)			
Protection rating		IP65 - Outdoor and indoor			
Additional Features					
Supported communication interfaces		RS485, Ethernet, Wi-Fi (requires additional antenna)			
Smart energy management		Export limitation, StorEdge applications			



\*For full details see Solahart Owner's Guide & Installation Instructions. 5 year warranty applies to RS485 Expansion Kit, SolarEdge Meter and Wireless Communication products excluding GSM Cellular Modem.

Specifications and designs included in this data sheet are subject to change without notice.

Solahart Australia 1300 769 475 | [www.solahart.com.au](http://www.solahart.com.au)

Reorder code: SHDS/INVSEHD WAVE GEN IHO113\_SE5000H\_SE6000H\_SE8250H\_SE10000H\_Single Phase HD-Wave Genesis Inverter\_Feb 2021