



SOLAREGE SINGLE PHASE INVERTERS

WITH HD-WAVE TECHNOLOGY

SE5000H-AU000BWU4 / SE6000H-AU000BWU4 /
SE8000H-AU000BWU4 / SE10000H-AU000BWU4

The SolarEdge HD-Wave 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.

This inverter range is fully compatible with the LG Chem RESU10H Battery.



solar edge



**COMPATIBLE WITH
STOREDGE INTERFACE
AND LG CHEM
RESU10H BATTERY**

HOW YOU BENEFIT



HIGH EFFICIENCY

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



FLEXIBLE DESIGN

Individual panel monitoring and 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.



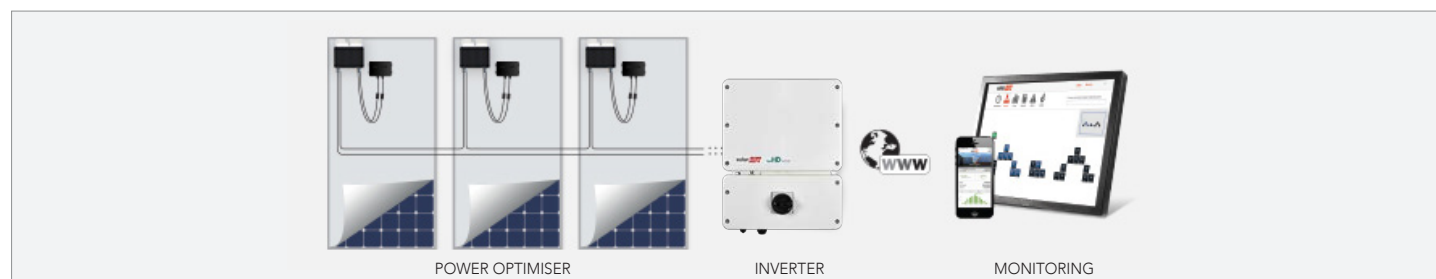
SOLAHART WARRANTY

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

Technical Data

INVERTER TECHNICAL DATA	SE5000H-AU000BWU4	SE6000H-AU000BWU4	SE8000H-AU000BWU4	SE10000H-AU000BWU4
Output (AC)				
Rated AC power output	4985 VA	6000 VA	8000 VA	10000 VA
Maximum AC power output	4985 VA	6000 VA	8000 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	21.7 A	27.5 A	36.5 A	45.5 A
Utility monitoring, island protection, country configurable thresholds	Yes			
Input (DC)				
Maximum DC power (module STC)	7750 W	9300 W	12400 W	15500 W
Additional DC power for DC coupled StorEdge Systems	kWp equivalent of battery continuous power, and no more than 5kWp			
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	20.5 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-AU000BWU4	SE6000H-AU000BWU4	SE8000H-AU000BWU4	SE10000H-AU000BWU4
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	19 - 25 mm Conduit / 2-13 mm ²			
DC input / conductor cross section	19 - 25 mm Conduit / 2-13 mm ²			
Number of strings	1 - 2 Strings		1 - 3 Strings	
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 (built in antenna included)			
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

Reorder code: SHDS/PVINV_SEHD WAVE

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