



# 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 mm²                                                     |                   |                    |                    |                    |
| DC input / conductor cross section                                     | 19 - 25 mm Conduit / 2-13 mm²                                                     |                   |                    |                    |                    |
| 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](http://www.solahart.com.au)

Reorder code: SHDS/PVINV\_SEHD WAVE

IH0113\_SE5000H\_SE6000H\_SE8000H\_SE10000H\_Single Phase HD-Wave Inverter\_June 2019