



SOLAREGE SINGLE-PHASE ENERGY HUB INVERTERS

SE5000H-AUS3MBX14 & SE6000H-AUS3MBX14

The SolarEdge Energy Hub 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.

Safety is enhanced during installation, maintenance and emergencies, while the online SolarEdge Portal monitors the performance of each individual panel.



solar edge



USE WITH POWER OPTIMISERS FOR INDIVIDUAL PANEL OPTIMISATION AND MONITORING

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

Advanced safety features including Safe DC™, rapid shutdown, and integrated arc fault protection.



INNOVATIVE

Monitoring household energy usage and panel level power production on any smart device.

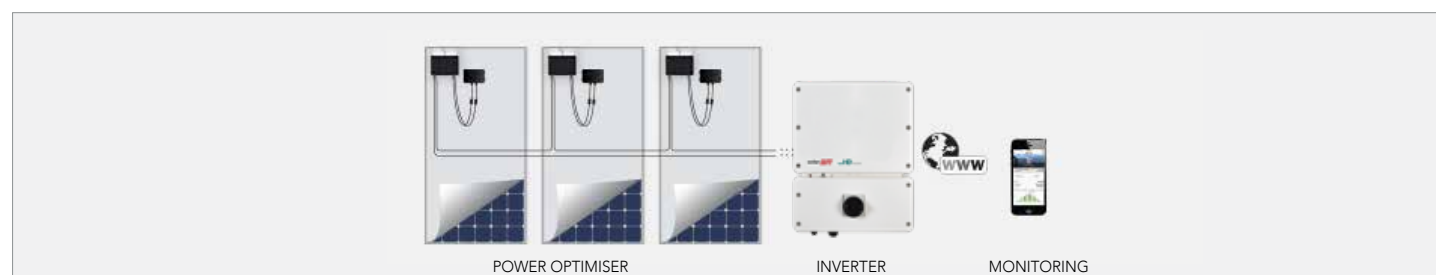


SOLAHART WARRANTY

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

Technical Data

INVERTER TECHNICAL DATA	SE5000H-AUS3MBX14	SE6000H-AUS3MBX14
Output (AC)		
Rated AC power output	5000 VA	6000 VA
Maximum AC power output	5000 VA	6000 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	28 A
Utility monitoring, island protection, country configurable thresholds	Yes	
Input (DC)		
Maximum DC power (module STC)	10000 W	12000 W
Transformerless, ungrounded	Yes	
Maximum input voltage	480 Vdc	
Nominal DC input voltage	380 Vdc	
Maximum input current	14 Adc	16.5 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-AUS3MBX14	SE6000H-AUS3MBX14
Solahart Warranty	12 years*	
Standard Compliance		
Safety	IEC-62109, AS/NZS3100	
Grid connection standard	AS/NZS 4777	
Emissions	IEC 61000-6-2, IEC 61000-6-3, IEC 61000-3-11, IEC 61000-3-12	
Installation Specifications		
AC output / conductor cross section	maximum 32 mm Conduit / 1-10 mm ²	
DC input / conductor cross section	maximum 32 mm Conduit / 1-10 mm ²	
Dimensions (W x H x D)	370 x 450 x 174 mm	
Weight	< 15 kg	
Cooling	Natural convection	
Noise	<25 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	
Panel level monitoring	Yes	
Built-in consumption monitoring	Yes (CTs required)	



*For full details see Solahart Owner's Guide & Installation Instructions.

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/INVSE_NRGHUB

IH0113_SE5K & 6K_Single Phase Energy Hub_Inverters_May 2021