# SolarEdge Home Hub Inverter

### For Australia and New Zealand

SE3000H-MM / SE5000H-MM / SE6000H-MM / SE8250H-MM / SE10000H-MM



### Optimised battery storage with HD-Wave technology

- Single string design for inverters up to 5kW AC
- Record-breaking 99% weighted efficiency with up to 300% DC oversizing, for higher energy yield
- Modular design, future ready with optional upgrades enabling:
  - / Full home backup power
  - High efficiency DC-coupled storage
  - Backup generator connection
  - / EV charging with SolarEdge Home EV Charger
- Built-in consumption monitoring, including built-in Current Transformer (CT)
- Multi-inverter, scalable storage solution

- Advanced safety features including SafeDC<sup>™</sup>, rapid shutdown, and integrated arc fault protection
- Built-in panel-level monitoring
- Rapid inverter commissioning via smartphone using SetApp
- Small, lightweight, and easy to install
- IP65-rated, for indoor and outdoor installations
- Integrated SolarEdge Home Network and Wi-Fi communication, including Wi-Fi Gateway



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	SE3000H-MM	SE5000H-MM	SE6000H-MM	SE8250H-MM	SE10000H-MM	UNIT		
OUTPUT – AC ON GRID								
Rated AC Power	3000	5000	6000	8250	10000	VA		
Maximum AC Power Output	3000	5000	6000	8250	10000	VA		
AC Output Voltage (Nominal)	220 / 230							
AC Output Voltage Range	184 - 264.5							
AC Frequency Range (Nominal)	50/60 ± 5							
Maximum Continuous Output Current	14	23	27.5	37.5	45.5	Α		
Total Harmonic Distortion (THD)	<3							
Power Factor	1, adjustable -0.9 to 0.9							
Over Voltage Category AC Port	OVC III							
Over Voltage Category DC Port	OVC II							
Protective Class	1							
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes							
Active Anti-Islanding Method	Frequency Shift							
Charge Battery from AC (if allowed)	Yes							
Typical Nighttime Power Consumption	<2.5							
OUTPUT – AC BACKUP <sup>(2)</sup>								
Rated AC Power in Backup Operation	2700	4500	5400	7500	9000	W		
AC Output Voltage (Nominal)		1	220 / 230	4		Vac		
AC Output Voltage Range	184 - 264.5							
AC Frequency	50/60 ± 5							
Maximum Continuous Output Current in Backup Operation	14	21	25	34	41	A		
INPUT – DC (PV AND BATTERY)								
Transformer-less, Ungrounded	Yes							
Max Input Voltage	480							
Nom DC Input Voltage	380							
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	600kΩ Sensitivity							
Maximum DC PV Power	9000	15,000	18,000	22,000	22,000	W		
Maximum Input Current <sup>(3)</sup>	8.5	14	16.5	22.5	25.5	Ado		
Maximum Inverter Efficiency			99.2			%		
European Weighted Efficiency	98.8 99							
2-pole Disconnection	Yes							
BATTERY STORAGE								
Supported Battery Types	SolarEdge Home Battery							
Number of Batteries per Inverter	Up to 3 SolarEdge Home Batteries							
Continuous Power	Up to inverter rated power							
SMART ENERGY CAPABILITIES						1		
Consumption Metering	Built-in <sup>(4)</sup>							
Battery Storage	In backup: Up to 3 inverters, 88.2kWh with SolarEdge Home Battery							
EV Charging	Smart EV ready – separate EV charger and cabling required							

(1) These specifications apply to inverters with part numbers SExxxxH-AUSNxxxxx and connection unit model number DCD-1PH-AU-PxH-F-x.

(2) Not designed for standalone applications and requires AC for commissioning.

(3) A higher current source may be used; the inverter will limit its input current to the values stated.

(4) Consumption Meter Current Transformer (CT) included in box.

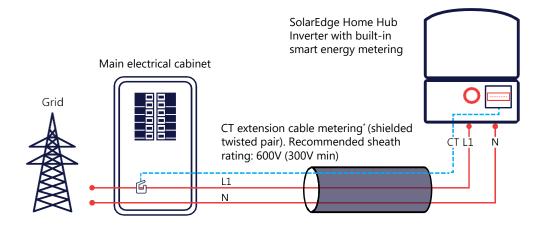
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	SE3000H-MM	SE5000H-MM	SE6000H-MM	SE8250H-MM	SE10000H-MM	UNITS			
ADDITIONAL FEATURES									
Supported Communication Interfaces	RS485 – Modbus devices; RS485 – SE protocol; Ethernet; Wi-Fi; SolarEdge Home Network								
Integrated AC, DC and Communication Connection Unit	Yes								
Inverter Commissioning	With the SetApp mobile application using built-in Wi-Fi Access Point for local connection								
STANDARD COMPLIANCE									
Safety	IEC 62103 (EN 50178); IEC 62109; AS/NZS3100								
Grid Connection Standards	AS/NSZ 4777.2:2020; EN 50549-1								
Emissions	IEC 61000-6-2; IEC 61000-6-3; IEC 61000-3-11; IEC 61000-3-12								
INSTALLATION SPECIFICATIONS									
AC Output and DC Input Conduit Size / Wire Cross Section	32mm maximum / 1 – 16mm <sup>2</sup>								
Dimensions with Connection Unit (H x W x D)	450 x 370 x 174 540 x 370 x 185				70 x 185	mm			
Weight with Connection Unit	<15								
Communication Glands	2								
Noise	<25 <		50	dBA					
Cooling	Natural convection								
Operating Temperature Range	(-)40 to (+)60 <sup>(5)</sup>								
Operating Humidity (RH)	Up to 100%, condensing								
Maximum Altitude	3000								
Protection Rating	IP65 – outdoor and Indoor								
Manufacturing Countries	Vietnam / Hungary								

(5) Full power up to at least 50°C; for power derating information refer to the <u>Temperature Derating</u> technical note.

#### Connecting CTs to the Revenue Grade and Consumption Meter



\* One CT for import/export or consumption metering

SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress.

SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system.

Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.



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