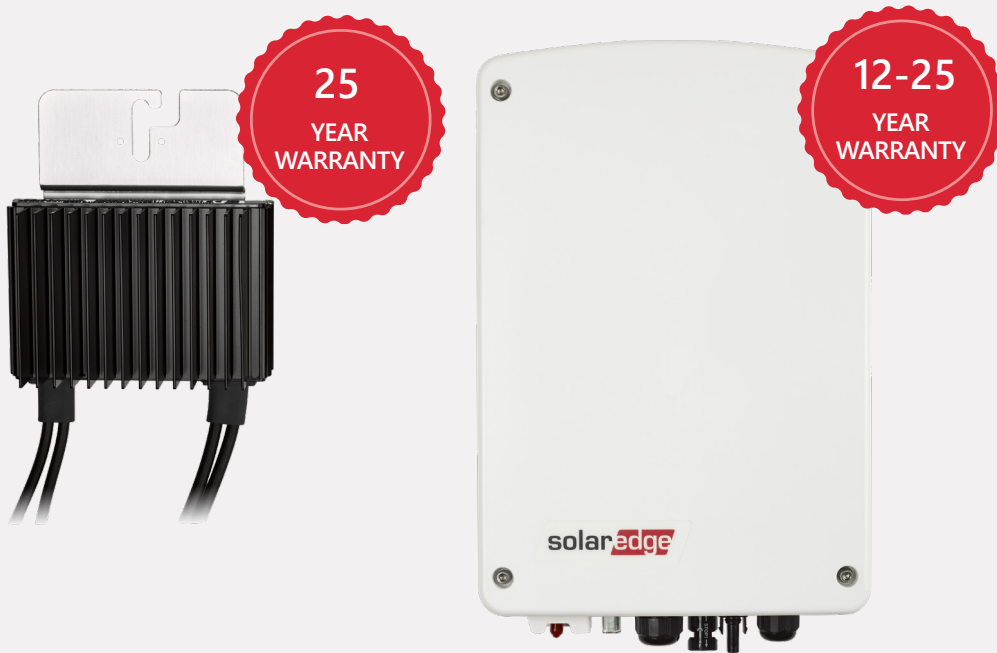


Single Phase Inverter, Power Optimizer with Compact Technology for 3-modules systems

Inverter: SE1000M

Power Optimizer: P370T



**SINGLE PHASE INVERTERS,
POWER OPTIMIZER**

Cost-effective solution for residential systems of 3 modules

- ▄ Suitable for homes with limited roof space, social housing projects, or for meeting minimum sustainability requirements
- ▄ Extremely compact, lightweight, and easy to install
- ▄ Built-in module level monitoring option for advance maintenance and maximum cost effectiveness
- ▄ IP65 rated inverter — suitable for indoor or outdoor installation
- ▄ Power optimizers and inverter designed to work exclusively with each other

/ Single Phase Inverter, Power Optimizer with Compact Technology for 3-modules systems

Inverter: SE1000M

Power Optimizer: P370T

INVERTER SPECIFICATIONS:

		SE1000M	UNIT
OUTPUT			
Maximum AC Power Output		1000	VA
AC Output Voltage (nominal)		220 / 230	Vac
AC Output Voltage Range		184 - 264.5	Vac
AC Frequency (nominal)		50 ± 5	Hz
Maximum Continuous Output Current		5	A
INPUT			
Maximum DC Power		1350	W
Transformer-less, Ungrounded		Yes	
Maximum Input Voltage		500	Vdc
Operating Voltage		75 - 480	Vdc
Maximum Input Current		11	Adc
Maximum Inverter Efficiency		97	%
European Weighted Efficiency		95.7	%
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, communication to SolarEdge monitoring platform via built-in Ethernet or Wi-Fi ⁽¹⁾ connectivity, or additional options purchased separately such as ZigBee or Cellular plug-ins		
Smart Energy Management	Export Limitation, Home Energy Management		
STANDARD COMPLIANCE			
Safety	IEC-62103 (EN50178), IEC-62109		
Grid Connection Standards	VDE-AR-N-4105, VDE 0126-1-1, AS-4777, RD-1663, DK5940		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12, FCC part 15 class B		
RoHS	Yes		
INSTALLATION SPECIFICATIONS			
Dimensions (H x W x D)	340 x 239 x 127		mm
Noise	< 25		dBA
Weight	6		kg
Cooling	Natural Convection		
Operating Temperature Range	-40 to +60 ⁽²⁾		°C
Protection Rating	IP65 - Outdoor and Indoor		

(1) Wi-Fi connectivity requires an external antenna. For more information refer to: <https://www.solaredge.com/sites/default/files/se-wifi-zigbee-antenna-datasheet.pdf>

(2) For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>

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Inverter: SE1000M

Power Optimizer: P370T

POWER OPTIMIZER SPECIFICATIONS:

	P370T	UNIT
INPUT		
Rated Input DC Power ⁽¹⁾	370	W
Absolute Maximum Input Voltage (Voc at lowest temperature)	60	Vdc
MPPT Operating Range	8 - 60	Vdc
Maximum Short Circuit Current (Isc)	11	A _{dc}
Maximum Efficiency	99.5	%
Weighted Efficiency	98.8	%
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREEDGE INVERTER)		
Maximum Output Current	15	A _{dc}
Maximum Output Voltage	60	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREEDGE INVERTER OR SOLAREEDGE INVERTER OFF)		
Safety Output Voltage per Power Optimizer	5 ± 0.5	Vdc
INSTALLATION SPECIFICATIONS		
Maximum Allowed System Voltage	1000	Vdc
Dimensions (H x W x D)	153 x 129 x 27.5	mm
Weight (including cables)	655	gr
Input Connector	MC4 ⁽²⁾	
Output Connector	MC4	
Operating Temperature Range	-40 to +85	°C
Protection Rating	IP68	
Relative Humidity	0-100	%

(1) Rated power of the module at STC will not exceed the optimizer "Rated Input DC Power". Modules with up to +5% power tolerance are allowed.

(2) For other connector types please contact SolarEdge.

	SE1000M	UNIT
PV SYSTEM DESIGN		
Number of P370T per Inverter	3	
Maximum DC System Power	1350	W _{dc}

