

COPACT SINGLE PHASE

SolarEdge develop the single phase inverter with compact technology is a cost-effective DC-optimized inverter solution for small rooftop systems of 4-8 modules. It is ideally suited for homes with limited roof space, social housing projects, or for meeting minimum sustainability requirements.



SolarEdge Compact

The **single phase inverter** with compact technology is a cost-effective DC-optimized inverter solution for small rooftop systems of 4-8 modules. It is ideally suited for homes with limited roof space, social housing projects, or for meeting minimum sustainability requirements.

Featuring many **SolarEdge** benefits such as greater energy harvest from each module, long-term product warranties, advanced safety features, and free module-level monitoring¹, the single phase inverter with compact technology is easily installed on either existing rooftops or new buildings, and delivers clean energy which is affordable, efficient, and safe.

Cost-effective solution for residential systems of 4-8 modules

- Each of the four power optimizer inputs supports one or two 60-cell modules, or one 72/96-cell modules
- Suitable for homes with limited roof space, social housing projects, or for meeting minimum sustainability requirements
- Extremely compact, lightweight, and easy to install
- IP65 rated inverter — suitable for indoor or outdoor installation
- Power optimizer and inverter designed to work exclusively with each other and are ordered with a single part number and supplied in a single box
- Optional communication option for maximum cost effectiveness

INVERTERS

SE1000M SE1500M SE2000M

Output

	VA	1000	1500	2000
Maximum AC Power output				
AC Output voltage (nominal)	Vac		220 / 230	
AC Output voltage range	Vac		184 - 264,5	
Maximum continuous output current	A	5	7	9,5

Input

Maximum DC power	W	1350	2025	2640
Transformer-less, ungrounded			Yes	
Maximum input voltage	Vdc		500	
Operating voltage	Vdc		75 - 480	
Maximum input current	Adc		11	
Maximum inverter efficiency			97 %	
European Weighted efficiency		95,7 %	96,5 %	97 %

Additional Features

Supported Communication interfaces	Basic: No Communication Interfaces Extended: RS485 Interface, communication to SolarEdge monitoring platform via built-in Ethernet or Wi-Fi(1) connectivity, or additional options purchased separately such as ZigBee or GSM plug-ins
Smart Energy Management	Basic: No Smart Energy Management Extended: Export Limitation, Home Energy Management

Standard

Safety	IEC-62103 (EN50178), IEC-62109
Grid Connection	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	mm	340 x 239 x 127
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Dimensions	mm	152 x 211 x 60
Noise	dBA	< 25
Weight	Kg	6
Cooling	Natural Convection	
Operating Temperature Range	-40 to 60 °C	
Protection Rating	IP65	

(1) Wi-Fi connectivity requires an external antenna.

OPTIMIZER

M2640
(For 4-8 60-cell modules or 4 72-cell / 96-cell modules)

Input

Number of inputs		4
Number of MPP Trackers		4 (one per input)
Rated DC power per unit	W	660
Absolute max Input voltage (Voc at lowest temp)	Vdc	96
MPPT per input operating range	Vdc	12,5 - 80
Maximum Short Circuit Current per input (Isc)	Adc	10,5
Maximum Efficiency		99,5 %
Weighted Efficiency		98,8 %

Output during operation

Maximum output current	Adc	10,5
Maximum output voltage	Vdc	340

Output during Standby

Safety output voltage per power optimizer	Vdc	10 ± 1
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Installation specifications

Maximum allowed system voltage	Vdc	600
Dimensions	mm	152 x 211 x 60
Weight (including cables)	Kg	1,5
Input connector	4 x MC4 Pairs	

Output connector	1 x MC4 Pair
Operating temperature range	-40 to 85 °C
Protection Rating	IP68


SE1000M SE1500M SE2000M

PV System Design

Number of M2640 per inverter	1			
Maximum DC System power	Wdc	1350	2025	2640

DOWNLOADS

CATÁLOGO GENERAL BORNAY 14-15

 [Catalogo-Bornay-1415.pdf](#) (10.41 MiB)
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