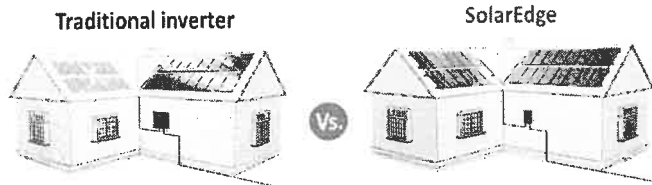


> BENEFITS OF SOLAREEDGE VS. TRADITIONAL STRING INVERTER

Full roof utilisation

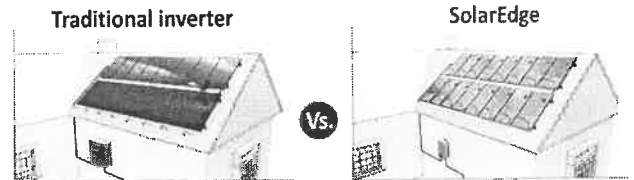
Put **more panels** on the roof in a **more aesthetic** manner. Mix different orientations and panel types to maximise PV power production out of your roof space.



More Energy

With traditional inverters, output of all panels is affected by the weakest panel and there are substantial energy losses due to unevenly dirty and shaded panels.

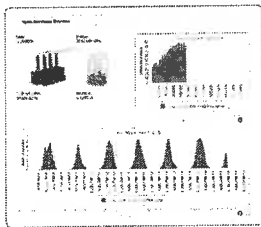
Get **maximum power** out of each panel with the SolarEdge System.



Maximum system uptime

Monitor the **performance** of each panel to make sure you **maximise your investment**.

Traditional inverter - System / string level monitoring



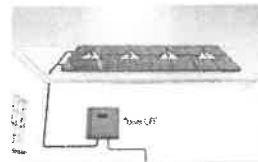
SolarEdge - Monitoring performance of each panel



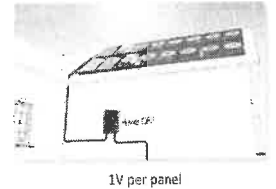
Superior safety

Protect asset and people through automatic shutdown of the high DC voltage during installation, maintenance and emergency.

Traditional inverter - Power off; high Vdc



SolarEdge - Power off; low Vdc



> BENEFITS OF SOLAREEDGE VS. MICROINVERTERS

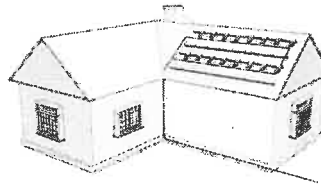
The Best of Both Worlds

The SolarEdge solution splits the inverter functionality:
On each panel – **duplicate only what is necessary** to improve system performance
On the wall – **keep accessible** the components which are more likely to fail

The benefits:

- **Cost** - microinverters system costs **significantly more** than a comparable SolarEdge system
- **Reliability** – microinverters have **significantly more components** than power optimisers, therefore the **chance of anything failing** is much bigger. With microinverters all components are on the roof, so each failure requires scaffolding and roof maintenance
- **Complexity** – microinverters require proprietary cabling and parts which complicate installation and future service

Many Microinverters on the roof



Duplicating an entire inverter on each panel

One SolarEdge inverter on the wall



> WHY SOLAREEDGE?

Financially Strong

SolarEdge is a bankable company, publicly traded on the Nasdaq and profitable



Superior Service

Local team offering remote and onsite support by SolarEdge field engineers



High Quality Manufacturing

Made in Europe - production line in Flextronics Hungary and in Jabil China



Warranty

25 years power optimiser warranty, 12 years inverter warranty, extendable to 20/25 years at a low cost, monitoring free for lifetime

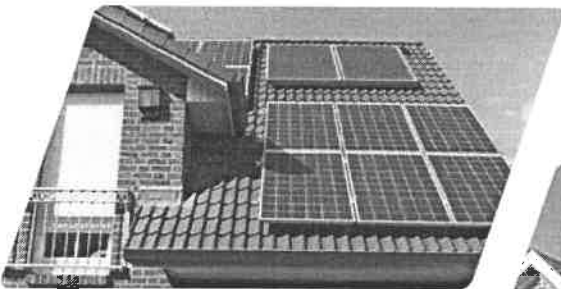
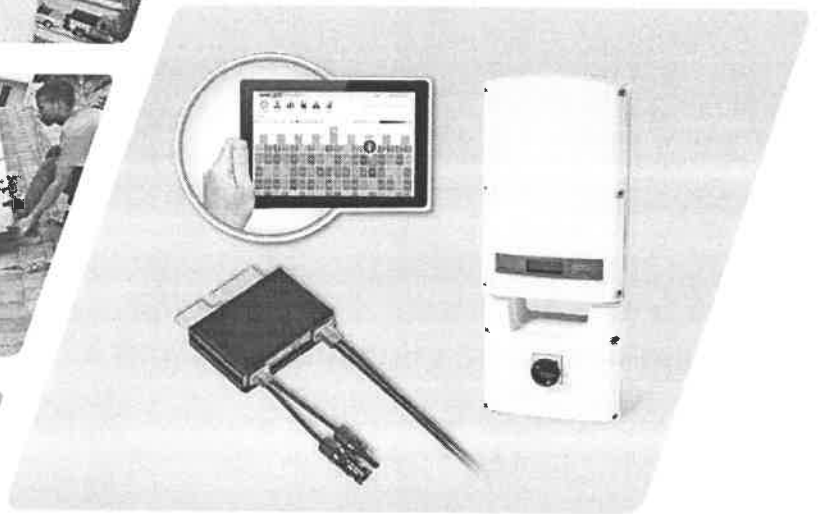


solar**edge**

Making PV Panels Smarter



Connecting SolarEdge power optimizers to PV panels makes them **SMART PANELS** that produce **MORE POWER** at all times



> More Energy From The Sun

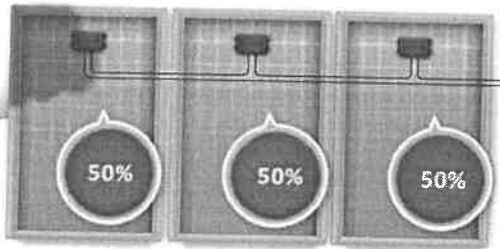
MAXIMUM POWER FROM EACH PANEL

In a PV system, each panel has an individual maximum power point. Any differences between neighboring modules results in power loss. For example:

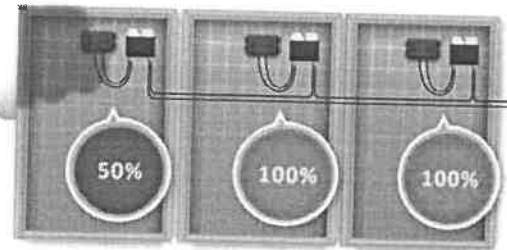


With traditional inverters, the weakest panel reduces the performance of all panels.
With SolarEdge, each panel produces the maximum energy, and power losses are eliminated.

Traditional Inverter

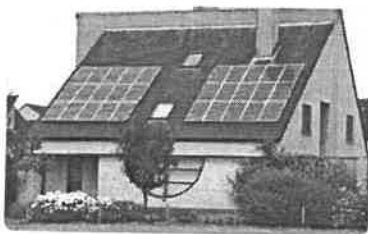


SolarEdge System

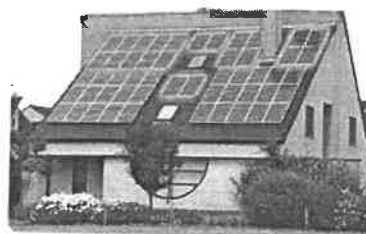


MORE PANELS ON YOUR ROOF; AND MORE SAVINGS ON YOUR BILL

Traditional Inverter



SolarEdge System



With SolarEdge

Installers can place more modules on the rooftop with SolarEdge and give you the design that you want:

- ✓ Shaded Areas
- ✓ Multiple roof angles
- ✓ More options to fit the roof size
- ✓ Free from electrical constraints

>SolarEdge For Your Peace of Mind

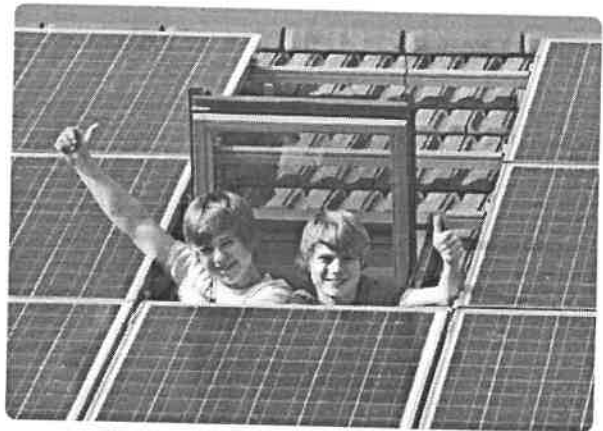
CONNECT ON THE GO

- > Full visibility of system performance
- > Monitor your system, anywhere using free iPhone and Android applications



PEACE OF MIND

- > With SolarEdge, whenever AC power is off, DC wires are automatically de-energized providing automatic protection to installers, maintenance personnel, firefighters, and property
- > Installers, maintenance personnel and firefighters are automatically protected from high voltage.



- > Backed by best in class warranties: 25 years standard for optimizers; 12 years standard extendable to 25 years for inverters
- > Monitoring- free for 25 years

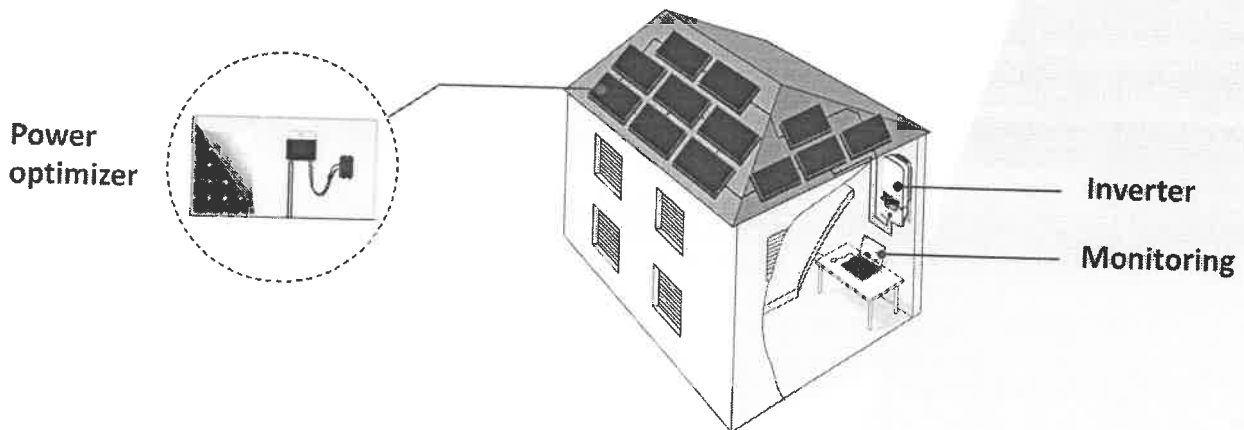


solaredge

> Making PV Panels Smarter

THE SOLAREEDGE SOLUTION

SolarEdge is the proven leader in PV power optimization with more than 80% market share. SolarEdge's cutting edge technology gives you smart system control that manages your array for maximum performance.



POWER OPTIMIZER

By connecting a SolarEdge power optimizer to a PV panel it becomes a smart panel.

This allows:

- Harvest of up to 25% more energy from each panel
- Constant feedback on the performance of each panel
- Automatic shutdown of each panel for maximum safety in case of an emergency



INVERTER

A simpler and more reliable inverter:

- Responsible only for DC to AC conversion, as all other functions are handled separately for each panel by the power optimizers
- Compact, light weight and simple design



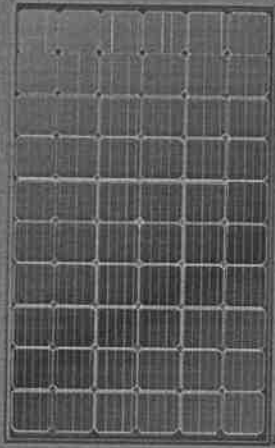
MONITORING

By displaying real-time performance data, the monitoring portal allows:

- Visibility of your system's performance
- Easy access from a computer, smartphone, or tablet

solaredge

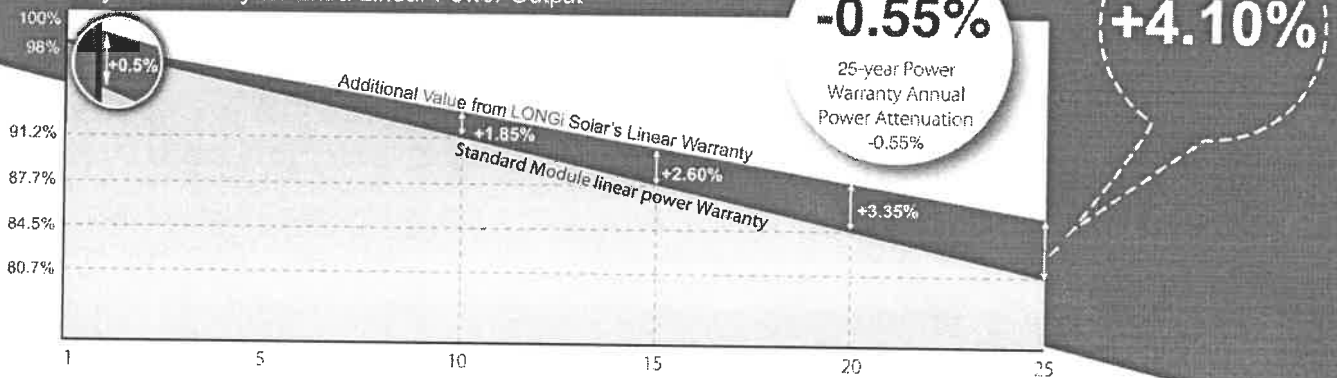
LR6-60PB 295~315M



Hi-MO1 High Efficiency Low LID Mono PERC Technology (60C/All Black Module)

*Aesthetic appearance with black frame and
backsheet, best suited for rooftop installation*

10-year Warranty for Materials and Processing;
25-year Warranty for Extra Linear Power Output



Complete System and Product Certifications

IEC 61215, IEC61730, UL1703
ISO 9001:2008, ISO Quality Management System
ISO 14001: 2004, ISO Environment Management System
TS62941: Guideline for module design qualification and type approval
OHSAS 18001: 2007 Occupational Health and Safety



* Specifications subject to technical changes and tests. LONGi Solar reserves the right of interpretation.

Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 19.3%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

Better energy yield with excellent low irradiance performance and temperature coefficient

Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

Adaptable to harsh environment: passed rigorous salt mist and ammonia tests

Robust frame (40mm) withstands mechanical loading of 5400Pa for snow load on front and 2400Pa for wind load on rear side

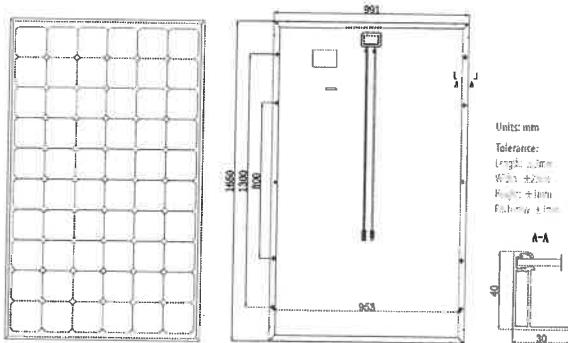
LONGi Solar

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Facebook: www.facebook.com/LONGi Solar

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.

LR6-60PB 295~315M

Design (mm)



Mechanical Parameters

- Cell Orientation: 60° (6×10)
- Junction Box: IP67, three diodes
- Output Cable: 4mm², 1000mm in length
- Connector: MC4 or MC4 comparable
- Weight: 18.5kg
- Dimension: 1650×991×40mm
- Packaging: 26pcs per pallet

Operating Parameters

- Operational Temperature: -40°C ~ +85°C
- Power Output Tolerance: 0 ~ +5 W
- Maximum System Voltage: DC1000V (IEC&UL)
- Maximum Series Fuse Rating: 20A
- Nominal Operating Cell Temperature: 45±2°C
- Application Class: Class A

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-60PB-295M		LR6-60PB-300M		LR6-60PB-305M		LR6-60PB-310M		LR6-60PB-315M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	295	218.5	300	222.2	305	225.9	310	229.6	315	233.4
Open Circuit Voltage (Voc/V)	39.9	37.2	40.1	37.4	40.2	37.5	40.3	37.6	40.5	37.8
Short Circuit Current (Isc/A)	9.69	7.81	9.81	7.91	9.94	8.01	9.98	8.04	10.10	8.14
Voltage at Maximum Power (Vmp/V)	32.6	30.1	32.8	30.3	33.0	30.5	33.2	30.7	33.4	30.9
Current at Maximum Power (Imp/A)	9.05	7.26	9.15	7.34	9.24	7.41	9.35	7.50	9.43	7.56
Module Efficiency(%)	18.0		18.3		18.7		19.0		19.3	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

Temperature Ratings (STC)

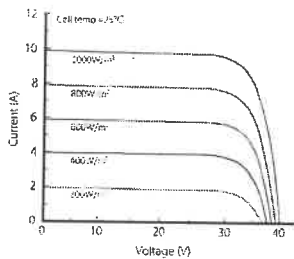
Temperature Coefficient of Isc	+0.057%/°C
Temperature Coefficient of Voc	-0.286%/°C
Temperature Coefficient of Pmax	-0.370%/°C

Mechanical Loading

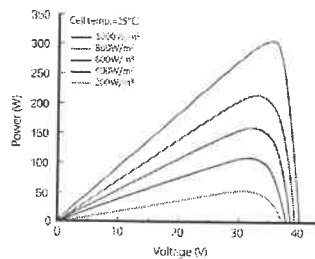
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

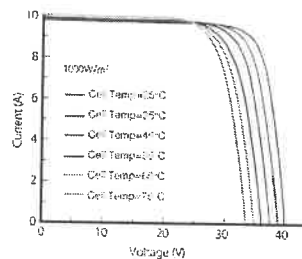
Current-Voltage Curve (LR6-60PB-305M)



Power-Voltage Curve (LR6-60PB-305M)



Current-Voltage Curve (LR6-60PB-305M)



LONGI Solar

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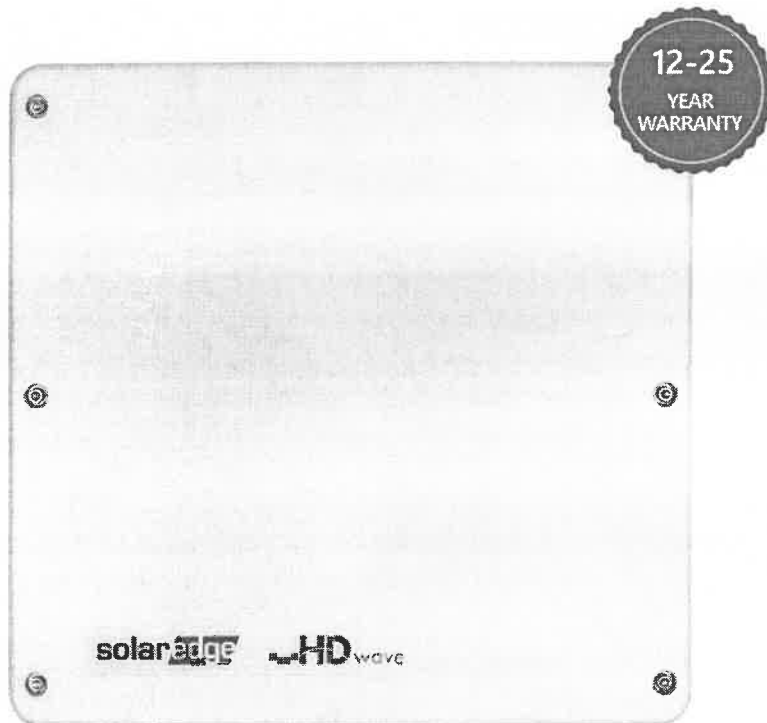
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Single Phase Inverter with HD-Wave Technology

for France, Spain, UK and Hong Kong

SE8000H, SE10000H

INVERTERS



Optimized installation with HD-Wave technology

- // Specifically designed to work with power optimizers
- // Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- // Record-breaking efficiency
- // Extremely small, lightweight and easy to install
- // High reliability
- // Built-in module-level monitoring
- // Outdoor and indoor installation
- // Fixed voltage inverter for longer strings
- // Advanced safety feature - integrated arc fault protection

/ Single Phase Inverter with HD-Wave Technology for France, Spain, UK and Hong Kong

SE8000H, SE10000H

	SE8000H	SE10000H	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXBXX4 (Inverters with SetApp Configuration)		
OUTPUT			
Rated AC Power Output	8000	10000	VA
Maximum AC Power Output	8000	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	36.5	45.5	A
Total Harmonic Distortion (THD)	< 3		%
Power Factor	1, adjustable -0.8 to 0.8		
Utility Monitoring, Islanding Protection, Configurable Power Factor, Country Configurable Thresholds	Yes		
INPUT			
Maximum DC Power	12400	15500	W
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	480		Vdc
Nominal DC Input Voltage	400		Vdc
Maximum Input Current	20.5	25.5	Adc
Reverse-Polarity Protection	Yes		
Ground-Fault Isolation Detection	600kΩ Sensitivity per Unit		
Maximum Inverter Efficiency	99.2		%
European Weighted Efficiency	99		%
Nighttime Power Consumption	< 2.5		W
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, Ethernet, ZigBee (optional), Wi-Fi (optional), Cellular (optional)		
Smart Energy Management	Export Limitation		
Arc Fault Protection	Integrated, User Configurable (According to UL1699B)		
Inverter Commissioning	With the SetApp mobile application using built in Wi-Fi access point for local connection		
STANDARD COMPLIANCE			
Safety	IEC62109		
Grid Connection Standards	G83/1, G83/2, G59/3, RD661, RD1699, UTE C15-712		
Emissions	IEC61000-6-2, IEC61000-6-3, IEC61000-3-11, IEC61000-3-12		
INSTALLATION SPECIFICATIONS			
AC Output - Supported Cable Diameter	9-16		mm
AC - Supported Wire Cross Section	1-13		mm ²
DC Input	3 x MC4 pair		
Dimensions (H x W x D)	360 x 370 x 185		mm
Weight	16.5		kg
Noise	< 50		dBA
Cooling	Natural Convection		
Operating Temperature Range	-40 to +60 [°]		°C
Protection Rating	IP65 — Outdoor and Indoor		

⚠ Full power up to at least 50°C. For power de-rating information refer to: <https://www.solaredge.com/sites/default/files/se-temperature-derating-note.pdf>