



ECO GREEN
ENERGY SOLUTIONS
GROUP LTD

ZERO CARBON TECHNOLOGY COMPANY

Sales Proposal

Prepared for:
Ganga,

Dear Ganga,

Thank you for the opportunity to present your Solar Energy System Proposal.

This proposal is valid for 30 days from the date of issue. If you require any further information, please do not hesitate to contact me.

Included in the proposal you will find:

- Sales quotation
- Product overview
- Details of our consumer code RECC

Eco Greenenergy Solutions Group Ltd

Unit 30 Woodside Industrial Estate

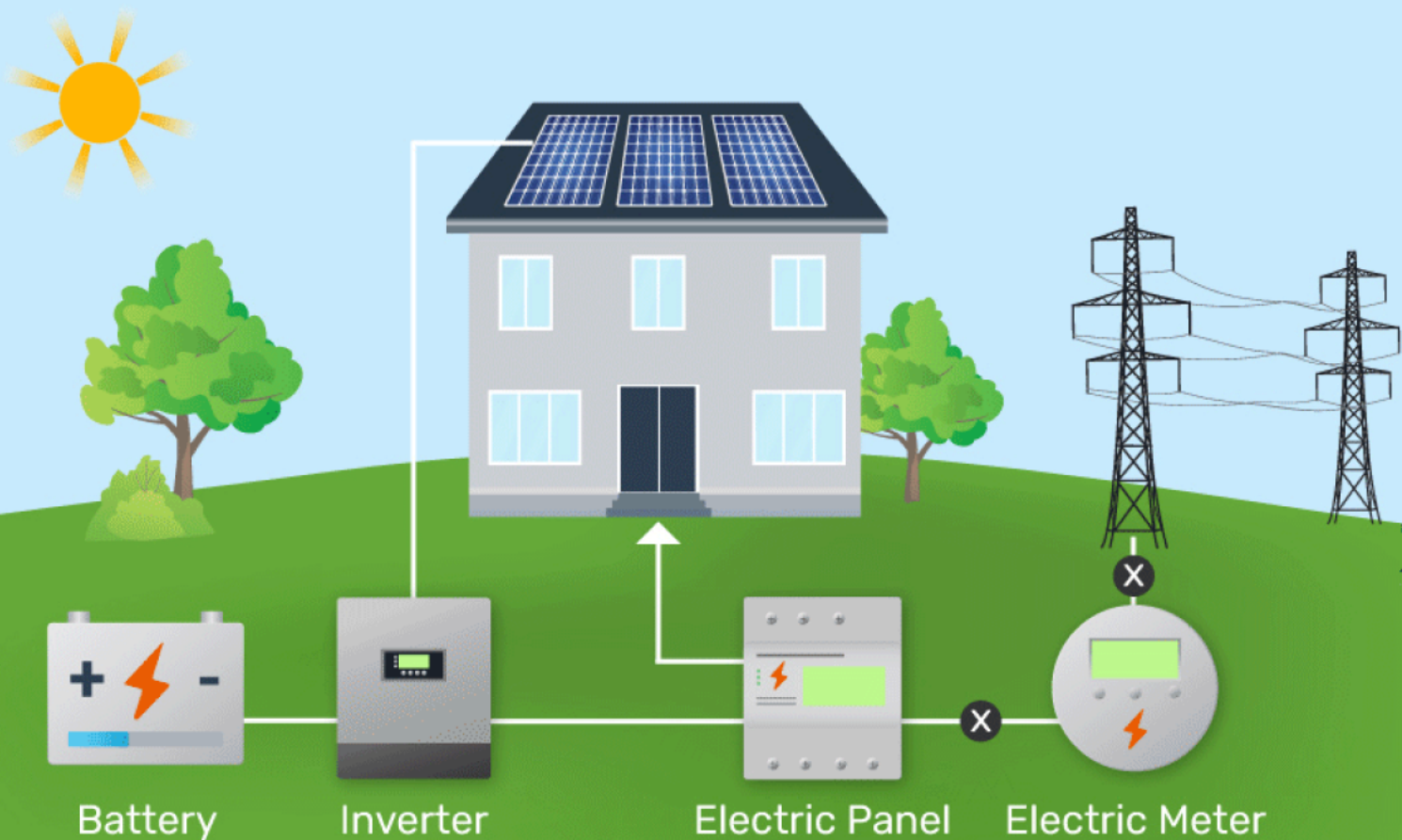
Woodside

Thornwood

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sales@egesolutionsltd.co.uk



Date: 22.08.2025
Ref: **EGES-11/RG27AG**

TrustMark Licence No. 335832
Company Registration No. 11209227
VAT No. 447240011



SALES QUOTATION

DESCRIPTION OF GOODS	QTY
Aiko Neostar 2S 455W Solar PV Panels	20
Bird Mesh - Complimentary	1
Solar Edge Home Hub Inverter 10.0kW	1
Solar Edge Home Battery 10.0kW	1
Solar Edge Optimisers	20
Generation Meter	1
Mounting System	1
Clenergy Black Mountain Rails	22
Universal Mids & Ends For Solar Panel Fitting	80
DC Cable 25 metre	1
MC4 Connector	8
Clenergy Pro Universal Hooks	66
Mountain Rail Joiners	1
Electrical Pack	1
Mini Consumer Unit with SPD	1
32A Type-B Breaker	1
H07 AC Cable 10 metre	1
AC Isolator	2
25ml Battery Pack Cable	1
Flexi Conduit	1
Online Monitoring	1
	£10,062.00
DESCRIPTION OF SERVICE	
Scaffolding	1
DNO Application	1

MCS Certificate	1
RECC Registration	1
Quality Mark Insurance Backed Guarantee	1
Professional Indemnity	1
Employers Liability	1
Public Liability	1
	£2,000.00
0% VAT	£0.00
Total	£12,062.00

Please Visit Our Website For Extra Information <https://egesolutionsltd.co.uk>

Have A Look At Our Top Rated Customer Reviews <https://uk.trustpilot.com/review/egesolutionsltd.co.uk>

Finance Available

0% up to 24 months

9.9% up to 60 months

Our intention is to give you a full and clear cost for the installation of the system. Providing nothing unforeseen should occur the only additional costs would be those associated with the Energy Performance Certificate (if not included above) and any planning related issues should they be required

BARCLAYS

Eco Greenenergy Solutions Group Ltd

Sort Code: 20-19-97

Account Number: 30445851

NEOSTAR

2S Mono-Glass Module
440W-470W

Technical Features:

-  Partial Shading Optimisation
-  Better Temperature Coefficient
-  High Temperature Restriction
-  Micro-crack Resistance
-  Higher Power
-  Lower BOS
-  More Aesthetic Values



red dot winner 2023



Product
Warranty



Performance
Warranty



Warranty partner

Munich RE



470W

Output

23.6%

Efficiency

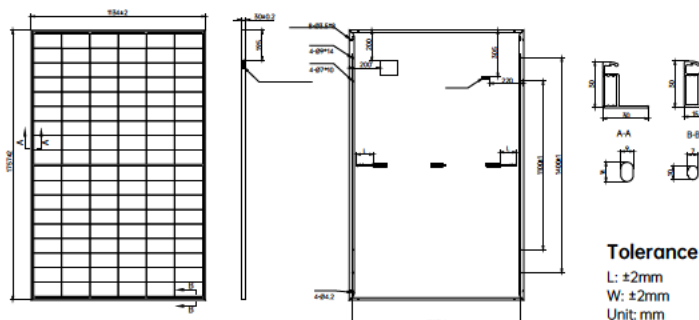
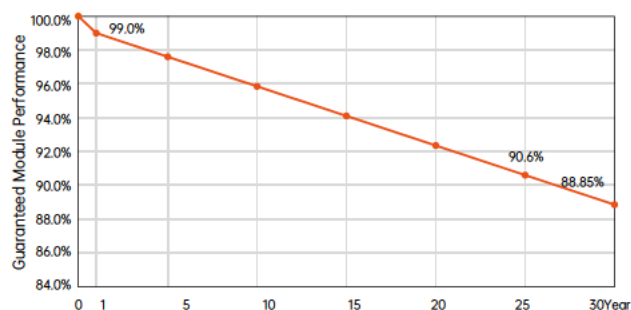
 $\leq 1\%$

First-year Degradation

 $\leq 0.35\%$

Annual Degradation from Year 2-30

30-year Linear Performance Warranty

Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s)

Power Tolerance: 0~ + 3%

Module Type	AIKO-A440-MAH54Mb		AIKO-A445-MAH54Mb		AIKO-A450-MAH54Mb		AIKO-A455-MAH54Mb		AIKO-A460-MAH54Mb		AIKO-A465-MAH54Mb		AIKO-A470-MAH54Mb	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	440	331	445	335	450	339	455	343	460	346	465	350	470	354
V _{oc} [V]	40.82	38.55	40.88	38.60	40.94	38.66	41.00	38.72	41.06	38.77	41.12	38.83	41.18	38.89
V _{mp} [V]	34.38	32.47	34.44	32.52	34.50	32.58	34.56	32.64	34.62	32.69	34.68	32.75	34.74	32.81
I _{sc} [A]	13.92	11.26	14.02	11.34	14.12	11.42	14.22	11.50	14.25	11.52	14.29	11.55	14.32	11.58
I _{mp} [A]	12.80	10.22	12.93	10.32	13.05	10.41	13.17	10.51	13.29	10.61	13.41	10.71	13.54	10.80
Module Efficiency	22.1%		22.3%		22.6%		22.8%		23.1%		23.3%		23.6%	

Product Specification

Cell Type	N-Type ABC
Front Cover Mono glass	3.2 mm tempered glass
Frame	Black Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±1200mm
No. of Cells	108(6*18)
Junction Box	IP68, 3 bypass diodes
Connector	Original MC4
Weight	20.6kg±3%
Dimension	1757*1134*30mm
Package Detail	37pcs per pallet / 222pcs per 20'GP / 962pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I _{sc}	+ 0.05%/ °C
Temperature Coefficient of V _{oc}	- 0.22%/ °C
Temperature Coefficient of P _{max}	- 0.26%/ °C

Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
V _{oc} and I _{sc} Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	40 mm diameter hail at 23 m/s
Fire Rating	IEC Class C



SolarEdge Home Hub Inverter

Single Phase, for Europe

SE2500H / SE3000H / SE3680H / SE4000H / SE5000H / SE6000H /
SE8000H / SE10000H



Single phase inverter for storage and backup applications

- ✓ The ultimate home energy manager in charge of PV production, battery storage, backup operation during a power outage*, and smart energy devices
- ✓ Record-breaking up to 99% weighted efficiency with up to 200% DC oversizing
- ✓ Integrates seamlessly with the complete SolarEdge Home ecosystem, through SolarEdge Home Network
- ✓ Small, lightweight, and easy to install
- ✓ Advanced safety features with integrated arc fault protection
- ✓ Enables module-level monitoring and full visibility of battery status, PV production, and self-consumption data
- ✓ A scalable solution that supports future homeowner needs through easy connection to a growing ecosystem of products

*Requires additional hardware and firmware version upgrade.

/ SolarEdge Home Hub Inverter

Single Phase, for Europe

SE2500H / SE3000H / SE3680H / SE4000H / SE5000H / SE6000H

Applicable to inverters with part number	SEXXXXH-RWBMNBF54						Units
	SE2500H ⁽¹⁾	SE3000H	SE3680H	SE4000H	SE5000H	SE6000H	
OUTPUT – AC ON GRID							
Rated AC Power	2500	3000	3680	4000	5000 ⁽²⁾	6000	VA
Maximum AC Power Output	2500	3000	3680	4000	5000 ⁽²⁾	6000	VA
AC Output Voltage (Nominal)	220 – 230						Vac
AC Output Voltage (Range)	184 – 264.5						Vac
AC Frequency Range (Nominal)	50 ± 5						Hz
Maximum Continuous Output Current RMS	12.0	14.0	16.0	18.5	23.0	27.5	A
Total Harmonic Distortion (THD)	< 3						%
Power Factor	1, adjustable -0.9 to 0.9						
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes						
Charge Battery from AC (if allowed)	Yes						
Typical Nighttime Power Consumption	< 2.5						W
OUTPUT – AC BACKUP							
Rated AC Power in Backup Operation	6000						W
AC Output Voltage (Nominal)	220 – 230						Vac
AC Output Voltage (Range)	184 – 264.5						Vac
AC Frequency	50/60 ± 5						Hz
Maximum Continuous Output Current in Backup Operation	27.5						A
INPUT – DC (PV AND BATTERY)							
Transformer-less, Ungrounded	Yes						
Maximum Input Voltage	480						Vdc
Nominal DC Input Voltage	380						Vdc
Ground-Fault Isolation Detection	600kΩ Sensitivity per Unit						
Maximum DC PV Power	5000	6000	7360	8000	10,000	12,000	W
Maximum Input Current	7.0	9.0	10.5	11.5	13.5	16.5	Adc
Isc PV	7.0	9.0	10.5	11.5	13.5	16.5	Adc
Maximum Inverter Efficiency	99.2						%
European Weighted Efficiency	98.3	98.8			99		%
Reverse-Polarity Protection	Yes						
BATTERY STORAGE							
Supported Battery Models	SolarEdge Home Battery 400V						
Number of Batteries per Inverter	Up to 3						
Continuous Power	5000W per battery, total continuous discharge power is limited up to the inverter rated AC power for on-grid and backup applications						W
SMART ENERGY CAPABILITIES							
Backup and Battery Storage	With Backup Interface (purchased separately) for service up to 100A; up to 3 SolarEdge single phase inverters ⁽³⁾						
ADDITIONAL FEATURES							
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi (optional), LTE (optional), SolarEdge Home Network						
Integrated AC, DC and Communication Connection Unit	Built-in						
Inverter Commissioning	Inverter Commissioning with the SetApp mobile application using built-in Wi-Fi Access Point for local connection						
Arc Fault Protection	Integrated, user configurable (according to UL 1699B:2018)						
STANDARD COMPLIANCE							
Safety	IEC-62109						
Grid Connection Standards	VDE-AR-N 4105, Tor Erzeuger Typ A, EN 50549-1, CEI 0-21, G98 Type A, G98 NI Type A, RD 1699 / RD 413 / NTS, VDE-V 0126-1-1, VFR 2019, C10/11, EN 50438, G100						
Electromagnetic Compatibility (EMC)	IEC 61000-6-2, IEC 61000-6-3, IEC 61000-3-11, IEC 61000-3-12, EN 55011						
INSTALLATION SPECIFICATIONS							
AC Output – Supported Cable Diameter	9 – 16						mm
AC – Supported Wire Cross Section	1 – 13						mm ²
Dimensions with Connection Unit (H x W x D)	459 x 370 x 154						mm
DC Input	2 x MC4 pairs for PV input; 1 x MC4 pair for battery input						
Weight	12						kg
Cooling	Natural convection						
Noise	< 25						dBA
Operating Temperature Range	-40 to +60						°C
Protection Rating	IP65 – outdoor and indoor						

(1) Only available in Poland, France, and Hungary. For details about the inverters approved for installation in your country, see [here](#).

(2) 4600VA AC / 7130VA DC in Germany.

(3) Firmware update required.

/ SolarEdge Home Hub Inverter

Single Phase, for Europe

SE8000H⁽⁴⁾ / SE10000H⁽⁴⁾

Applicable to inverters with part number	SEXXXH-RWBMNBF54		
	SE8000H	SE10000H	Units
OUTPUT – AC ON GRID			
Rated AC Power	8000	10,000	VA
Maximum AC Power Output	8000	10,000	VA
AC Output Voltage (Nominal)	220 – 230		Vac
AC Output Voltage (Range)	184 – 264.5		Vac
AC Frequency Range (Nominal)	50/60 ± 5		Hz
Maximum Continuous Output Current RMS	36.5	45.5	A
Total Harmonic Distortion (THD)	< 3		%
Power Factor	1, adjustable -0.8 to 0.8		
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes		
Charge Battery from AC (if allowed)	Yes		
Typical Nighttime Power Consumption	< 2.5		W
OUTPUT – AC BACKUP			
Rated AC Power in Backup Operation	10,000		W
AC Output Voltage (Nominal)	220 – 230		Vac
AC Output Voltage (Range)	184 – 264.5		Vac
AC Frequency	50/60 ± 5		Hz
Maximum Continuous Output Current in Backup Operation	45.5		A
INPUT – DC (PV AND BATTERY)			
Transformer-less, Ungrounded	Yes		
Maximum Input Voltage	480		Vdc
Nominal DC Input Voltage	380		Vdc
Ground-Fault Isolation Detection	600kΩ Sensitivity per Unit		
Maximum DC PV Power	16,000	20,000	W
Maximum Input Current	20.5	25.5	Adc
Isc PV	20.5	25.5	Adc
Maximum Inverter Efficiency	99.2		%
European Weighted Efficiency	99		%
Reverse-Polarity Protection	Yes		
BATTERY STORAGE			
Supported Battery Types	SolarEdge Home Battery 400V		
Number of Batteries per Inverter	Up to 3		
Continuous Power	5000W per battery ⁽⁵⁾		W
SMART ENERGY CAPABILITIES			
Backup and Battery Storage	With Backup Interface (purchased separately) for service up to 100A; up to 3 SolarEdge single phase inverters ⁽⁶⁾		
ADDITIONAL FEATURES			
Supported Communication Interfaces	RS485, Ethernet, Wi-Fi (optional), LTE (optional), SolarEdge Home Network		
Integrated AC, DC and Communication Connection Unit	Built-in		
Inverter Commissioning	Inverter Commissioning with the SetApp mobile application using built-in Wi-Fi Access Point for local connection		
Arc Fault Protection	Integrated, user configurable (according to UL 1699B:2011)		
STANDARD COMPLIANCE			
Safety	IEC-62109		
Grid Connection Standards	VDE-AR-N 4105, Tor Erzeuger Typ A, EN 50549-1, CEI 0-21, G98 Type A, G98 NI Type A, RD 1699 / RD 413 / NTS, VDE-V 0126-1-1, VFR 2019, C10/11, EN 50438, G100		
Electromagnetic Compatibility (EMC)	IEC 61000-6-2, IEC 61000-6-3, IEC 61000-3-11, IEC 61000-3-12, EN 55011		
INSTALLATION SPECIFICATIONS			
AC Output – Supported Cable Diameter	9 – 16		mm
AC – Supported Wire Cross Section	1 – 13		mm ²
Dimensions with Connection Unit (H x W x D)	535 x 370 x 185		mm
DC Input	3 x MC4 pairs for PV input; 1 x MC4 pair for battery input		
Weight	19.6		kg
Cooling	Natural convection		
Noise	< 50		dBA
Operating Temperature Range	-40 to +60		°C
Protection Rating	IP65 – outdoor and indoor		

(4) Only available in the United Kingdom, Spain, and France. For details about the inverters approved for installation in your country, see [here](#).

(5) The total continuous discharge power is limited up to the inverter rated AC power for on-grid and backup applications.

(6) Firmware update required.

SolarEdge Home Battery 400V For Europe

BAT-10K1P



Optimized for SolarEdge Home Wave and StorEdge inverter technology

- / DC coupled battery featuring outstanding overall system efficiency, generating more energy to store and use for on-grid and backup* power applications
- / Integrates seamlessly with the complete SolarEdge Home ecosystem using SolarEdge Home Network, offering a single source for warranty, support, and training, to streamline logistics & operations
- / Scalable solution for increased power and capacity with multiple SolarEdge inverters and batteries
- / Includes multiple safety features for battery protection
- / Solar, storage, EV charging, and smart devices all monitored and managed by a single app to an optimized production, consumption, and backup* power
- / Simple plug and play installation, with automatic SetApp-based configuration
- / Flexible installation - wall or floor mount, indoor or outdoor
- / Wireless communication to the inverter, reducing wiring, labor, and installation faults

* Backup applications are subject to local regulations and may require additional components and firmware upgrade.

SolarEdge Home Battery 400V

For Europe

BAT-10K1P

BAT-10K1PS0B-x2

OUTPUT

Usable energy (100% depth of discharge)	9700	Wh
Continuous Output Power	5000	W
Peak Output Power in Backup (for 10 seconds)	7500	W
Peak Roundtrip Efficiency	> 94.5	%
Warranty ⁽¹⁾	10	Years
Voltage Range	350 – 450	Vdc

ADDITIONAL FEATURES

Compatible Inverters	SolarEdge Home Wave Inverter, StorEdge Single Phase Inverter with HD-Wave Technology	
Batteries Per Inverter	Up to 3 ⁽²⁾	
Communication Interfaces	Wireless and RS485 ⁽³⁾	

STANDARD COMPLIANCE

Certification	Cell	IEC62619	
	Battery	IEC61010-1, IEC62619, UN38.3	
Emissions		IEC61000-6-1, IEC61000-6-3	

INSTALLATION SPECIFICATIONS

Dimensions (W x H x D)	790 x 1179 x 250	mm
Weight	119	kg
Mounting	Floor ⁽⁴⁾ or wall mount ⁽⁵⁾	
Operating Temperature ⁽⁶⁾	-10 to +50	°C
Storage Temperature (more than 3 months)	-10 to +30	°C
Storage Temperature (less than 3 months)	-30 to +60	°C
Enclosure Protection	IP55 – indoor and outdoor	
Maximum Altitude	2000	m
Cooling	Natural convection	
Noise at 1m Distance	< 25	dBA

(1) For warranty details, see the [SolarEdge Home Battery Limited Warranty](#).

(2) Installations with multiple SolarEdge Home Batteries require a pair of branch connectors (purchased separately) per battery excluding the last battery.

(3) The SolarEdge Home Battery is designed for use with SolarEdge Home Network for wireless communication. The inverter might require a matching SolarEdge Home Network plug-in.

Using RS485 could reduce the usable energy to 9500Wh.

(4) The floor stand is purchased separately. One floor stand is required per SolarEdge Home Battery. See the Accessory P/N table below.

(5) Wall mount installation requires handles that should be purchased separately. See the Accessory P/N table below.

(6) Please note that operating the SolarEdge Home Battery at extreme temperatures for extended durations of time may void the SolarEdge Home Battery's warranty coverage. See the [SolarEdge Home Battery Limited Warranty](#).

SolarEdge Home Battery – Accessories (purchased separately)

Accessory	P/N
Floor stand	IAC-RBAT-FLRSTD-01
Reusable lifting handles	IAC-RBAT-HANDLE-01
Branch connector set (includes 10 pairs of DC + and DC - connectors) Required for installations with multiple SolarEdge Home Battery batteries with a single inverter	IAC-RBAT-RWYCB-01
SolarEdge Home Network Plug-in	SolarEdge Home Network plug-in datasheet

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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Cautionary Note Regarding Market Data and Industry Forecasts: This brochure may contain market data and industry forecasts from certain third-party sources. This information is based on industry surveys and the preparer's expertise in the industry and there can be no assurance that any such market data is accurate or that any such industry forecasts will be achieved. Although we have not independently verified the accuracy of such market data and industry forecasts, we believe that the market data is reliable and that the industry forecasts are reasonable.



Power Optimizer

S1000 / S1200



POWER OPTIMIZERS

SolarEdge's most advanced, cost-effective Power Optimizer for commercial and large field installations

Greater Energy Yields

- High efficiency (99.5%) with module-level MPPT, for maximized system energy production and revenue, and fast project ROI
- Supports high power and bifacial PV modules, and high string current for more power per string

Maximum Protection with Built-In Safety

- Designed to automatically reduce high DC voltage to touch-safe levels, upon grid/inverter shutdown, with SafeDC™
- Includes SolarEdge Sense Connect, allowing continuous monitoring to detect overheating due to installation issues or connector-level wear and tear

Lower BoS Costs

- Flexible system design enables maximum space utilization and up to 2x longer string lengths, 50% less cables, fuses and combiner boxes
- Supports connection of two PV modules in series with easy cable management and fast installation times

Simpler O&M

- Module-level system monitoring enabling pinpointed fault detection and remote, time-saving troubleshooting

/ Power Optimizer

S1000 / S1200

Power Optimizer Model (Typical Module Compatibility)	S1000 (for up to 2 x high power or bifacial modules)	S1200	Units
INPUT ⁽¹⁾			
Rated Input DC Power ⁽²⁾	1050	1260	W
Absolute Maximum Input Voltage (Voc)	125		Vdc
MPPT Operating Range	12.5 – 105		Vdc
Maximum Continuous Input Current	15		Adc
Maximum Short Circuit Current (Isc) of Connected PV Module	20		Adc
Maximum Efficiency	99.5		%
Weighted Efficiency	98.8		%
Overvoltage Category	II		
OUTPUT DURING OPERATION			
Maximum Output Current	18	20	Adc
Maximum Output Voltage	80		Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM INVERTER OR INVERTER OFF)			
Safety Output Voltage per Power Optimizer	1±0.1		Vdc
STANDARD COMPLIANCE			
EMC	FCC Part 15, IEC 61000-6-2, and IEC 61000-6-3 – Class B, EN 55011		
Safety	IEC 62109-1 (class II safety), UL 3741		
Material	UL 94 V-0, UV Resistant		
RoHS	Yes		
Fire Safety	VDE-AR-E 2100-712:2013-05		
INSTALLATION SPECIFICATIONS			
Compatible SolarEdge Inverters	All commercial three phase inverters		
Maximum Allowed System Voltage	1000		Vdc
Dimensions (W x L x H)	129 x 165 x 52 / 5.08 x 6.49 x 2.047	129 x 165 x 59 / 5.08 x 6.49 x 2.32	mm / in
Weight (including cables)	1064 / 2.3	1106 / 2.4	gr / lb
Input Connector	MC4 ⁽³⁾		
Input Wire Length	Short Input: 0.1 / 0.32 Long Input: 1.3 / 4.26 ⁽⁴⁾	Short Input: 0.1 / 0.32 Long Input: 1.6 / 5.24 ⁽⁴⁾	m / ft
Output Connector	MC4		
Output Wire Length	(+) 4.7 (-) 0.10 / (+) 15.41 (-) 0.32	(+) 5.3 (-) 0.10 / (+) 17.38 (-) 0.32	m / ft
Operating Temperature Range ⁽⁵⁾	-40 to +85 / -40 to +185		°C / °F
Protection Rating	IP68 / NEMA6P		
Relative Humidity	0 – 100		%
Maximum Operating Altitude	2000		m

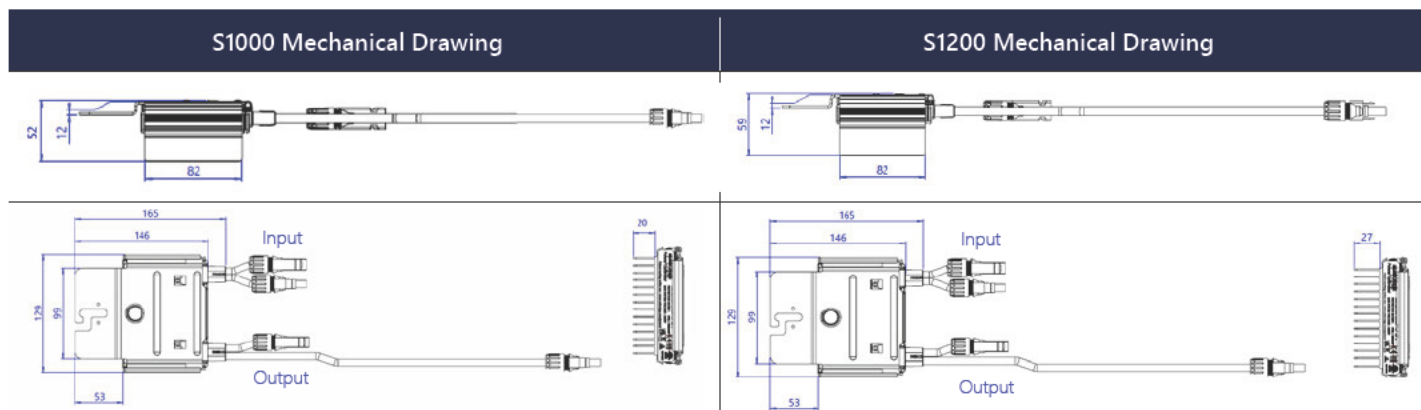
(1) For detailed Power Optimizer/PV module compatibility guidelines, refer to the [Application Note – Power Optimizer Compatibility with PV Modules](#).

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

(3) For other connector types please contact SolarEdge.

(4) For S-Series models with long input cables (1.3m / 4.26ft or 1.6m / 5.24ft), the Sense Connect feature is only enabled on the output cable connectors.

(5) For ambient temperatures above +65°C / +149°F power derating is applied. Refer to the [Temperature Derating Technical Note](#) for details.



* When installing SolarEdge power optimizers, maintaining clearance is required. Refer to the [Power Optimizer Clearance Application Note](#) for more details.

/ PV System Design

S1000

PV System Design Using a SolarEdge Inverter ⁽¹⁾⁽²⁾⁽³⁾		230/400V Grid SE15K ⁽⁴⁾	230/400V Grid SE16K ⁽⁵⁾ , SE17K ⁽⁵⁾ , SE25K*	230/400V Grid SE27.6K*	230/400V Grid SE30K*	230/400V Grid SE33.3K*	277/480V Grid SE40K*	Units
Compatible Power Optimizers		S1000						
Minimum String Length	Power Optimizers	14	14	14	15	14	15	
	PV Modules	27	27	27	29	27	29	
Maximum String Length	Power Optimizers ⁽⁶⁾	30	30	30	30	30	30	
	PV Modules	60	60	60	60	60	60	
Maximum Continuous Power per String [W]		13,950	13,500	13,950	15,300	13,500	15,300	
Maximum Allowed Connected Power per String ⁽⁷⁾		1 string: 16,200	1 string: 15,750	1 string: 16,200	1 string: 17,550	2 strings: 15,750	1 – 2 strings: 17,550	W
		2 strings or more: 18,950	2 strings or more: 18,500	2 strings or more: 18,950	2 strings or more: 20,300	3 strings or more: 18,500	3 strings or more: 20,300	
Parallel Strings of Different Lengths or Orientations		Yes						
Maximum Difference in Number of Power Optimizers Allowed Between the Shortest and Longest String Connected to the Same Inverter Unit		5 Power Optimizers						

*The same rules apply for Synergy units of equivalent power ratings, that are part of the modular Synergy Technology inverter.

(1) S1000 cannot be mixed with S1200 in the same string. For P-series compatibility please refer to the [SolarEdge Power Optimizer Inter-Compatibility Technical Note](#).

(2) For each string, a Power Optimizer may be connected to a single PV module if:

1) Each Power Optimizer is connected to a single PV module (the entire string has a 1:1 configuration).

2) It is the only Power Optimizer connected to a single PV module.

(3) For SE15K and above, the minimum STC DC connected power should be 11KW.

(4) SE15K is compatible with S1000 only in India.

(5) SE16K and SE17K are compatible with S1000 only in Taiwan, South Africa, India, and Israel.

(6) When connecting to inverters that support Rapid Shutdown, each string must contain fewer than 28 power optimizers to meet NEC Rapid Shutdown requirements.

(7) To connect more STC power per string, design your project using [SolarEdge Designer](#).

S1200

PV System Design Using a SolarEdge Inverter ⁽⁹⁾⁽⁹⁾⁽¹⁰⁾		230/400V Grid SE15K ^{(11)*}	230/400V Grid SE16K ⁽¹²⁾ , SE17K ⁽¹²⁾ , SE25K*	230/400V Grid SE27.6K*	230/400V Grid SE30K, SE33.3K ⁽¹³⁾	277/480V Grid SE40K*	Units	
Compatible Power Optimizers		S1200						
Minimum String Length	Power Optimizers	14	14	14	15	15		
	PV Modules	27	27	27	29	29		
Maximum String Length	Power Optimizers ⁽¹⁴⁾	30	30	30	30	30		
	PV Modules	60	60	60	60	60		
Maximum Continuous Power per String [W]		15,500	15,000	15,500	17,000	17,000		
Maximum Allowed Connected Power per String ⁽¹⁵⁾		1 string or more: 20,500	1 string: 17,250	1 string: 17,750	1 string: 19,250	1 – 2 strings: 19,250	W	
			2 strings or more: 20,000	2 strings or more: 20,500	2 strings or more: 23,000	3 strings or more: 23,000		
Parallel Strings of Different Lengths or Orientations		Yes						
Maximum Difference in Number of Power Optimizers Allowed Between the Shortest and Longest String Connected to the Same Inverter Unit		5 Power Optimizers						

*The same rules apply for Synergy units of equivalent power ratings, that are part of the modular Synergy Technology inverter.

(8) S1200 cannot be mixed with any other power optimizer in the same string.

(9) For each string, a Power Optimizer may be connected to a single PV module if:

1) Each Power Optimizer is connected to a single PV module (the entire string has a 1:1 configuration).

2) It is the only Power Optimizer connected to a single PV module.

(10) For SE15K and above, the minimum STC DC connected power should be 11KW.

(11) SE15K is compatible with S1200 only in India.

(12) SE16K and SE17K are compatible with S1200 only in Taiwan, South Africa, India, and Israel.

(13) To connect an S1200 power optimizer with an SE33.3K inverter, you must toggle the Fixed String Voltage from 750Vdc to 850Vdc via SolarEdge SetApp. For details, see [this application note](#).

(14) When connecting to inverters that support Rapid Shutdown, each string must contain fewer than 28 power optimizers to meet NEC Rapid Shutdown requirements.

(15) To connect more STC power per string, design your project using [SolarEdge Designer](#).

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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Cautionary Note Regarding Market Data and Industry Forecasts: This brochure may contain market data and industry forecasts from certain third-party sources. This information is based on industry surveys and the preparer's expertise in the industry and there can be no assurance that any such market data is accurate or that any such industry forecasts will be achieved. Although we have not independently verified the accuracy of such market data and industry forecasts, we believe that the market data is reliable and that the industry forecasts are reasonable.

[solaredge](http://solaredge.com)

Guarantees and Warranties		
Solar PV (Performance)	30	Years
Solar Pv (Product)	25	Years
Inverter	10	Years
Battery	10	Years
Workmanship	10	Years

Your equipment is guaranteed by its manufacturer, but you should contact us in the first instance if anything appears to be operating incorrectly.

In addition to the product guarantees, our work will be covered by a workmanship warranty. This workmanship warranty will be transferable to the new legal owner of the property if it is sold during the warranty period.

As members of a CTSI consumer code, we are required to ensure that should we cease trading, due to receivership, administration or bankruptcy, that the workmanship warranty that we have in place for your installation will still be honoured.

Payment Schedule	
Deposit: Deposit payable on confirmation of order	£3,015.50
Advance Payment: Further advance payment, if required	£0.00
Balance: Balance payable following final commissioning	£9,046.50

Important notes concerning this quotation

Contract Terms

We have enclosed a copy of our contract with this quotation. Please read this carefully and contact us without delay if you require further clarification.

Registering for Smart Export Guarantee (SEG)

The [smart export guarantee](#) (SEG) is an obligation set by the government for licensed electricity suppliers to offer a tariff and make payment to small-scale low-carbon generators for electricity exported to the National Grid, providing certain criteria are met.

The SEG is an opportunity for anyone who has installed Solar PV up to a capacity of 5MW.

The SEG Licensee is required to put processes in place to pay for the electricity exported by the eligible installation and to report to Ofgem on installations under the SEG arrangements. SEG Licensees determine the rate they will pay, contract length and other terms.

However, whilst wholesale electricity prices can sometimes fall below zero, SEG Licensees must always offer a tariff that remains above zero. SEG payments must be calculated by SEG Licensees using Export Meter Readings.

We will register your installation on the MCS Installation database and send you the MCS Certificate. You must send your MCS certificate to your chosen licensed electricity supplier in order to receive SEG payments.

You'll need to have a smart meter or a meter capable of reporting exports on a half-hourly basis to be in receipt of the SEG, and you'll need an Export MPAN. You can speak to your electricity provider regarding this, if you're unsure.

After sales support and maintenance

If, following installation, the system does not appear to be operating correctly please refer to the operating instructions. We will explain the safe operation of the system and any maintenance requirements to you when we complete the handover.

If you are still in doubt as to any aspect of the systems operation, please contact us.