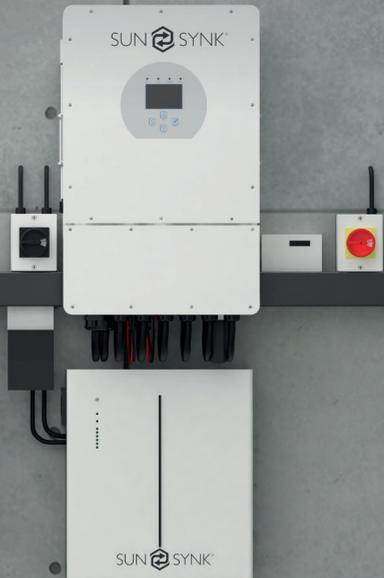


SUN SYNK[®]

Revolutionising the way we store,
generate & control energy.



Product Catalogue

Inverters & Energy Storage Solutions





Table of Contents

Our Sales Team	3	Lithium Batteries	
Mission Statement	4	Sunsynk 5.32kWh Battery	24
Introduction		Sunsynk IP65 Battery	26
Sunsynk Hybrid Inverters	6	String Inverters	
Standard Features	7	Single-Phase Grid-Tied Inverters	28
Hybrid Inverters		Three-Phase Grid-Tied Inverters	30
3.6kW Ecco Hybrid Inverter	8	Micro Inverters	36
5kW Ecco Hybrid Inverter	10	Sunsynk Mobile	
8.8kW Ecco Hybrid Inverter	12	Contained Power & Storage	38
Rack-Mounted Inverter	14	Our Products	39
16kW Sunsynk Max	16	Coming Soon...	40
3-Phase Hybrid Inverters		Find Out More	40
3-Phase 8kW Hybrid Inverter	18	Accessories	
3-Phase 10kW Hybrid Inverter	20	Meter & Mounting Accessories	41
3-Phase 12kW Hybrid Inverter	22	Data Logger & Sunsynk Connect	42

Prices are subject to change.

Our Sales Team



Times are changing and with energy prices rising our sales team are on hand to provide the most up-to date cost effective solutions for you or your business. We would love to hear from you, we are happy to answer any queries you may have.

Excellent After-Sales Support

Sunsynk operate a European Call Centre that can answer customer queries and clarify any questions with follow-up calls when required. The call centre will ensure the correct Sunsynk staff is assigned to the correct query raised by each customer.



South Africa

Mon - Fri 9am - 5pm

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United Kingdom

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Mission Statement

Our mission is to provide high-quality products that will help shape our future with a greener planet, we strive to develop technology that will benefit both customers and the environment. We will achieve this by innovative design, high standards in production, and great value for money within the world of renewable energy.

The Sunsynk range of solar products is the culmination of years of research and development, along with our Sunsynk Connect application we are supplying game changing technology that is taking the world by storm. Our revolutionary products are making a difference and will continue to make a difference in years to come. We will continue to develop with new technology that will help shape our future for a cleaner and more sustainable planet.

Established over 20 years ago, Sunsynk is part of the Global Tech China Group and is based in the UK with manufacturing based in Ningbo, China. We are closely partnered with the Science Department of Ningbo University, where our technology is jointly developed.

The Global Tech China Group was founded in 2004 and is a company registered in Hong Kong, made up of British & Chinese engineers. The company has over 30 registered patents covering a wide spectrum of products, some of which have directly influenced the development of electrical appliances within the world since 2004. Currently, Sunsynk exports to over 20 countries, including South Africa, the Philippines, Thailand, Australia, New Zealand, the United Kingdom and Europe, our power storage products have proven to be very popular.

Globally new-build houses will come supplied with solar power and battery storage as part of the standard building design. As the mains electricity prices rise, it will be a severe disadvantage selling a house without an installed energy storage device. As electric vehicles (EVs) become the norm, the amount of power consumed by a household will double and families will be paying careful attention to the number of kWhs on their monthly bill. It will become essential that power management systems are installed to allow consumers to make informed decisions on the amount of power their appliances consume.

Smart-Metering is the beginning of this change and later, once houses have their own battery storage and power management systems, customers will be able to economically manage their own consumption.

The range of Sunsynk products cover all aspects of power generation, storage and management bringing the future of green, environmentally friendly energy to households and commercial applications.

Our systems can power all kinds of appliances in the home or office environment, including motor type appliances such as tube lights, fans, refrigerators, and air conditioners.

Our energy storage systems will store electricity from sources such as solar, wind, grid power and generators, for use when you require. Furthermore, when your battery is fully charged and electricity is still being generated, our systems can export that energy either to an auxiliary load such as a water heater, hot tub, swimming pool etc or back to the grid. This feature comes as standard in all of our hybrid inverters.

It is possible in countries such as the UK or Hong Kong to receive payback from the mains supplier when power is exported to the grid. This allows you to earn money and cover the cost of your system within a short period.

INTRODUCTION

Sunsynk Hybrid Inverters

Traditional inverters

Inverters have been around for a long time. Solar panels link to the inverter which in turn converts the DC power from the solar panels into AC power that you can use in your home! Traditional systems do work but only when the sun is out, and any energy that you don't use during that time will be fed back to the grid.



Depending on your electricity tariff, you can receive some payback for this, usually a few pence per kWh. However, in the evening when there is no sun, you could be buying that power back at 20 times the price!



Sunsynk's game changing inverters!

Sunsynk has invented a new type of storage inverter, called a bi-directional inverter.

This allows you to fast charge a storage battery during the day, saving the excess power that you're not using so that you can use your stored power in the evenings. Our inverters range from 3.6kW to 16kW in single and 12kw to 50kW in three-phase, with the option to pair multiple units for more power.

Our inverters can also be referred to as hybrid inverters. This means that you can use these in both on and off-grid applications. As well as being able to connect solar PV and batteries to the same inverter!

STANDARD FEATURES



All our hybrid inverters feature a very user-friendly touchscreen LCD display, IP65 protection and a five-year warranty, with an optional extended warranty!

They all work in both on and off-grid applications and can also be used as a UPS (Uninterruptible Power Supply).

Features:

- Warranty included.
- IP65 protected.
- Compact design.
- Works both on and off-grid.
- Rapid battery charging.
- Built-in DC isolator.
- Built-in UPS (Uninterruptible Power Supply)
- Built-in auxiliary load.

All Sunsynk hybrid inverters are compatible with our new Sunsynk Connect app and mobile / PC app! Allowing you to get the most out of your on or off-grid set-up. This gives you complete control over your hybrid inverter from anywhere in the world, all from your phone.

3.6kW Hybrid Inverter

Our inverters have been developed specifically for the UK and Europe to meet the needs posed by these markets.

The 3.6kW/7kW MPPT Hybrid Inverter is suitable for residential and light commercial use, maximizing self-consumption rate of solar energy and increasing your energy impedance.

During the day, the PV system generates electricity which will be provided to the loads initially. Then, the excess energy will charge the battery via the inverter.

Finally, the stored energy can be released when the loads require it. The battery can also be charged by the diesel generator to ensure uninterrupted supply in the event of grid blackout. It is equipped with a RS485/CAN port for battery communication.

RUNS SILENT

7kW MPPT

Features:

- Colourful touch LCD, IP65 protection degree.
- DC couple and AC couple to retrofit existing solar system.
- Max.16 inverters in parallel; support multiple batteries parallel.
- Max. charging/discharging current of 90A.
- 6 time periods for battery charging/discharging.
- Support storing energy from diesel generator.
- Warranty included.

Length: 33cm **Width:** 23.8cm **Height:** 43.3cm



Single-Phase Bi-Directional Inverter

Model		Sunsynk 3.6kW Ecco Inverter
Battery Input Data		
Battery Type	Lead-acid or lithium-ion	
Battery Voltage Range (V)	40-60V	
Max. Charging Current (A)	90A	
Max. Discharging Current (A)	90A	
Charging Curve	3 stages/equalisation	
External Temperature Sensor	Optional	
Charging Strategy for Li-Ion Battery	Self-adaptation to BMS	
PV String Input Data		
Max. DC Input Power (W)	7000W	
Voc Max. (V)	500V	
MPPT Range (V)	150-425V	
Full Load DC Voltage Range (V)	300-425V	
Start-up Voltage (V)	125V	
PV Input Current (A)	13A+13A	
No. of MPPT Trackers	2	
No. of Strings per MPPT Tracker	1+1	
AC Output Data		
Rated AC Output and UPS Power (W)	3600W	
Max. AC Power (W)	3680W	
Peak Power (Off-Grid)	2 times of rated power, 10 S	
AC Output Rated Current (A)	15.7Aa.c	
Max AC Output Current (A)	17.2Aa.c	
Max Continuous AC Pass-through (A)	35A	
Power Factor	0.8 leading to 0.8 lagging	
Output Frequency and Voltage	50/60Hz; 220/230/240Vac (single phase)	
Grid Type	Single phase	
Current Harmonic Distortion	THD<3% (linear load<1.5%)	
Efficiency		
Max. Efficiency	97.60%	
MPPT Efficiency	96.50%	
Euro Efficiency	99.90%	
Certifications and Standards		
Grid Regulation	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727, RD1699:2011, XP C15-712-3:2019-05	
Safety Regulation	IEC62109-1, IEC62109-2	
EMC	EN61000-6-1, EN61000-6-3	
General Data		
Operating Temperature Range	-25-60°C, >45°C derating	
Cooling	Natural cooling	
Protection Degree	IP65	



5kW Hybrid Inverter

Our inverters have been developed specifically for the UK and Europe to meet the needs posed by these markets.

The 5kW Hybrid Inverter is suitable for residential and light commercial use, maximizing the self-consumption rate of solar energy and increasing your energy impedance.

During the day, the PV system generates electricity which will be provided to the loads initially. Then, the excess energy will charge the battery via the inverter.

Finally, the stored energy can be released when the loads require it.

The battery can also be charged by the diesel generator to ensure uninterrupted supply in the event of a grid blackout. It is equipped with an RS485/CAN port for battery communication.

BI-DIRECTIONAL INVERTER

Features:

- Colourful touch LCD, IP65 protection degree.
- DC couple and AC couple to retrofit existing solar system.
- Max. 16 inverters in parallel; support multiple batteries parallel.
- Max. charging/discharging current of 125A.
- 6 time periods for battery charging/discharging.
- Support storing energy from the diesel generator.
- Warranty included.

Length: 33cm **Width:** 23.8cm **Height:** 43.3cm



Single-Phase Bi-Directional Inverter

Model		Sunsynk 5kW Ecco Inverter
Product Type		Hybrid Inverter
Enclosure		IP65
Ambient Temperature		-40°C ~ 60°C (>45°C derating)
Protection Level		Class I
Charge Mode		
Battery Voltage		48Vd.c (40Vd.c ~ 60Vd.c)
Battery Current		120Ad.c (max.)
AC Input Voltage		L/N/PE 230Va.c
AC Input Frequency		50/60Hz
AC Input Rated Current		21.7Aa.c
Max. AC Input Current		25Aa.c (max.)
Max. AC Input Power		5000W
Max. Apparent Output Power		5500VA
PV Input Voltage		370Vd.c (125Vd.c ~ 500Vd.c)
MPPT Input Voltage		150Vd.c ~ 425Vd.c
PV Input Current		13Ad.c + 13Ad.c
Max. PV Input Power		6500W
Max. PV Isc		17Ad.c + 17Ad.c
Utility-Interactive		
AC Output Voltage		L/N/PE 230Va.c
AC Output Frequency		50/60Hz
AC Output Rated Current		21.7Aa.c
Max. AC Output Current		23.9Aa.c
Max. AC Output Power		5500W
AC Output Rated Power		5000VA
AC Output Power Factor		0.8 leading to 0.8 lagging
Max. AC Isc		75Aa.c
Battery Discharge Voltage		40Vd.c ~ 60Vd.c
Battery Discharge Current		120Ad.c (max.)
Battery Discharge Power		5000W
Stand Alone		
AC Output Voltage		L/N/PE 230Va.c
AC Output Frequency		50/60Hz
AC Output Rated Current		23.9Aa.c
AC Output Rated Power		5500W
Max. Continuous AC Pass-through Current		35Aa.c
Peak Output Power		10000W (10 seconds)
Battery Discharge Voltage		40Vd.c ~ 60Vd.c
Max. Discharge Current		120A (max.)
Compliance		VDE-AR-N 4105:1028-11; DINVDE V 0124-100:2020-06; IEC/EN62109-1/2:2010; IEC/EN62109-1/2:2011



8.8kW Hybrid Inverter

Our inverters have been developed specifically for the UK and Europe to meet the needs posed by these markets.

The 8.8kW Hybrid Parity Inverter is a highly efficient power management tool that allows the user to hit those 'parity' targets by managing power flow from multiple sources such as solar, wind turbines, main electrical grids, and generators, and then effectively storing the excess energy generated in a battery bank and releasing the stored energy when the need arises. It also carries a weatherproofing rating of IP65 and is fitted with two MPPT ports. Its convenient LCD display offers the user a configurable and accessible button operation, and once the Data Logger has been attached, the user can monitor and adjust the inverter's functions remotely to make the most of installed power generation and storage.

The 8.8kW Inverter is ideal when you need a bit more power, especially for systems that are totally off-grid or where a substantial UPS is required. It has a 50% power surge facility and the advantage that it can reverse and charge batteries with very high power when required. Sunsynk Hybrid Inverters use IGBT this means they are more reliable and can safe guard your system against surges and EMF.

Features:

- Overload / temperature / short-circuit protection.
- Supports Wi-Fi monitoring.
- 3-Stage MPPT charging for optimal battery performance.
- Timing is adjustable for convenient and efficient operation.
- On-grid, off-grid or uninterrupted power supply (UPS).
- Fan Cooling – IP65 protection.
- Warranty included.

Length: 58cm **Width:** 23.7cm **Height:** 33cm



Single-Phase Bi-Directional Inverter

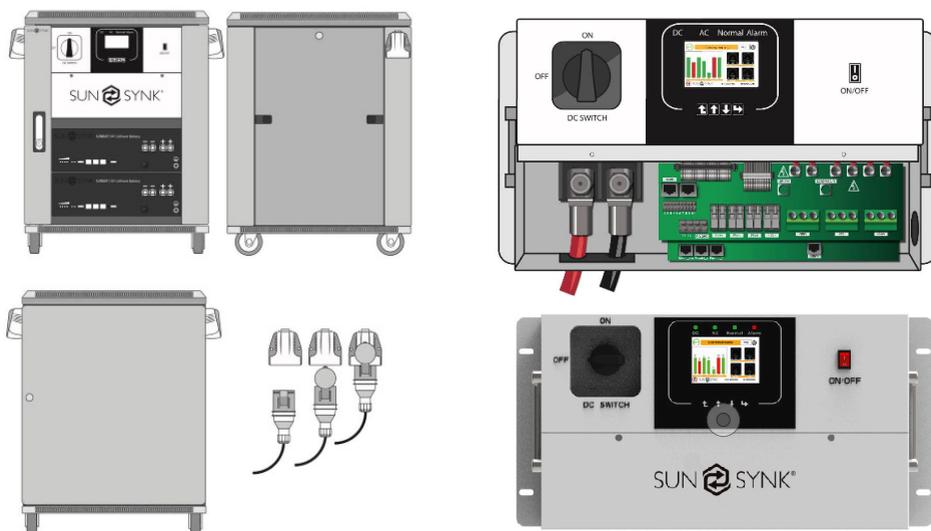
Model		Sunsynk 8.8kW Ecco Inverter
Product Type		Hybrid Inverter
Enclosure		IP65
Ambient Temperature		-45°C ~ 60°C (>45°C derating)
Protection Level		Class I
Charge Mode		
Battery Voltage		48Vd.c (40Vd.c ~ 60Vd.c)
Battery Current		190Ad.c (max.)
AC Input Voltage		L/N/PE 220/230Va.c
AC Input Frequency		50/60Hz
AC Input Rated Current		36.4Aa.c
Max. AC Input Current		40Aa.c (max.)
Max. AC Input Power		8800W
Max. Apparent Output Power		8800VA
PV Input Voltage		370Vd.c (125Vd.c ~ 500Vd.c)
MPPT Input Voltage		150Vd.c ~ 425Vd.c
PV Input Current		22Ad.c + 22Ad.c
Max. PV Input Power		10400W
Max. PV Isc		28Ad.c + 28Ad.c
Utility-Interactive		
AC Output Voltage		L/N/PE 220/230Va.c
AC Output Frequency		50/60Hz
AC Output Rated Current		36.4Aa.c
Max. AC Output Current		40Aa.c (max.)
Max. AC Output Power		8800W
AC Output Rated Power		8800VA
AC Output Power Factor		0.8 leading to 0.8 lagging
Max. AC Isc		145Aa.c
Battery Discharge Voltage		40Vd.c ~ 60Vd.c
Battery Discharge Current		190Ad.c (max.)
Battery Discharge Power		8000W
Stand Alone		
AC Output Voltage		L/N/PE 220/230Va.c
AC Output Frequency		50/60Hz
AC Output Rated Current		36.4Aa.c
AC Output Rated Power		8800W
Max. Continuous AC Pass-through Current		50Aa.c
Peak Output Power		16000W (10 seconds)
Battery Discharge Voltage		40Vd.c ~ 60Vd.c
Max. Discharge Current		190A (max.)
Compliance		VDE-AR-N 4105:1028-11; DINVDE V 0124-100:2020-06; IEC/EN62109-1/2:2010; IEC/EN62109-1/2:2011



HYBRID STORAGE INVERTERS

Rack-Mounted Inverter

The Rack-Mounted Inverters are perfect for use where space is tight. They can be stacked up with batteries for several applications, for example, telecommunications systems and office UPS. Its convenient LCD display offers the user a configurable and accessible button operation, and once the Data Logger has been attached, the user can monitor and adjust the inverter's functions remotely to make the most of installed power generation and storage.



They can also be connected to several input types, such as PV, AC grid, batteries, generators, micro-inverter, and wind turbines.

Features:

- Overload / temperature / short-circuit protection.
- Supports Wi-Fi monitoring.
- 3-Stage MPPT charging for optimal battery performance.
- Timing adjustable for convenient and efficient operation.
- On-grid, off-grid or uninterrupted power supply (UPS).
- Fan cooling – IP65 protection.
- Warranty included.

Model Battery Input Data	SUNSYNK-6K-SG02LP1	SUNSYNK-7.6K-SG02LP1
Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range	40-60V	
Max. Charging Current	135A	190A
Max. Discharging Current	135A	190A
Charging Curve	3 Stages/Equalisation	
External Temperature Sensor	Optional	
Charging Strategy for Li-Ion Battery	Self-Adaptation to BMS	
PV String Input Data		
Max. DC Input Power	7800W	9880W
PV Input Voltage	370V (100V-500V)	
MPPT Range	125-425V	
Start-up Voltage	150V	
PV Input Current	18A+9A	22A+22A
No. of MPPT Trackers	2	
No. of Strings per MPPT Tracker	2+1	2+2
AC Output Data		
Rated AC Output and UPS Power	6000W	7600W
Max. AC Power	6600W	8360W
Peak Power (off-grid)	2 times of rated power, 10 S	
AC Output Rated Current	25A	31.7A/33A
Max AC Output Current	27.5A	34.9A/36.3A
Max Continuous AC Pass-through	40A	50A
Output Frequency and Voltage	50/60Hz; 120/240Vac (split phase), 208Vac(2/3), 230Vac (single phase)	
Grid Type	Split phase, 2/3 phase, single phase	
Current Harmonic Distortion	THD<3% (Linear load<1.5%)	
Efficiency		
Max. Efficiency	97.60%	
MPPT Efficiency	97.00%	
Euro Efficiency	99.90%	
Protection		
PV Arc Fault Detection	Integrated (Except European Type)	
PV Input Lightning Protection	Integrated	
Anti-islanding Protection	Integrated	
PV String Input Reverse Polarity Protection	Integrated	
Insulation Resistor Detection	Integrated	
Residual Current Monitoring Unit	Integrated	
Output Over Current Protection	Integrated	
Output Shorted Protection	Integrated	
Output Over Voltage Protection	Integrated	
Certifications and Standards		
Grid Regulation	UL1741, IEE1547, RULE21, VDE0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727	
Safety Regulation	IEC62109-1, IEC62109-2	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 Class B	
General Data		
Operating Temperature Range	-25-60°C, >45°C Derating	
Cooling	Fan	
Noise	<30dB	
Communication with BMS	RS485; CAN	

16kW Sunsynk Max

The most powerful low-voltage inverter in the world!

We have taken the Sunsynk hybrid inverter to the highest level. Our new Sunsynk MAX is the most powerful low-voltage inverter currently available in the world, achieving the maximum output power of 16kW and battery charge current of 300A.

This power management tool allows the user to hit those 'parity' targets by managing power-flow from multiple sources such as solar, mains power (grid) and generators, and then effectively storing and releasing power as and when the need arises.



Colourful touch LCD,
IP65 protection degree.



DC couple and AC couple to
retrofit existing solar system.



Max. 16 inverters in parallel;
support multiple batteries parallel.



Max. charging/discharging
current of 300A.



16kW super hybrid inverter
(warranty included).



Support storing energy from
diesel generator.



Length: 76.3cm **Width:** 30cm **Height:** 42.5cm

Model		SUNSYNK MAX
Battery Input Data		
Battery Type	Lead-acid or lithium-ion	
Battery Voltage Range	43-60V	
Max. Charge Current	300A	
Max. Discharge Current	300A	
Charging Curve	3 stages/equalisation	
External Temperature Sensor	Yes	
Charging Strategy for Li-Ion Battery	Self-adaptation to BMS	
PV String Input Data		
Max. DC Input Power	18000W	
Max PV Input Voltage	450V	
MPPT Range	250V-450V	
Start-up Voltage	150V	
PV Input Current	22A + 22A + 22A	
Max. PV Isc	26A + 26A + 26A	
No. of MPPT / Strings per MPPT	3 / 2	
AC Output Data		
Max. On-Grid AC Power	16000W	
Max. Off-Grid AC Power	13000W	
Peak Power (Off-Grid)	2 times of rated power, 10 S	
AC Output Rated Current	65A	
Max AC Current	70A	
Max Continuous AC Pass-through	150A	
Bypass Current	150A	
Frequency Range	45Hz ~55Hz	
Voltage Range	211V ~ 264V	
Grid Type	Single-phase	
Current Harmonic Distortion	THD<3%(linear load<1.5%)	
Efficiency		
Max. Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Efficiency	99.90%	
Protection		
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Surge protection, DC Battery Current Protection	
Certifications and Standards		
Grid Regulation	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727, RD1699:2011, XP C15-712-3:2019-05	
Safety EMC / Standard	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3	
General Data		
Operating Temperature Range	-25-55°C	
Cooling	Fan	
Noise	<30dB	
Communication with BMS	RS485; CAN	
Weight	34.5kg	
Size	422W×702H×281D mm	
Protection Degree	IP65	
Installation Style	Wall-mounted	

3-PHASE HYBRID INVERTERS

3-Phase 8kW Hybrid Inverter

The Sunsynk Three-Phase On-Grid Parity Inverter is a highly efficient power management tool for three-phase grid applications.

This inverter allows the user to control power flow from multiple sources such as solar, main electrical grids, and generators, and effectively store and deliver electric power to the grid.

They can operate with unbalanced loads, which means you can have 20% connected to one phase, 20% to another, and 60% to the third phase, and it still gives perfect phase rotation.

No other inverter in their class can offer this amazing feature.

Features:

- 48V low-voltage battery.
- Isolation transformer design.
- 6 time periods for battery charging/discharging.
- Maximum charging/discharging current of 190A.
- Frequency control.
- Up to 10 inverters in parallel.
- DC and AC couple to retrofit the existing solar system.
- Support storing energy from diesel generator.
- Interactive display.
- Warranty included.



Length: 33.0cm **Width:** 23.7cm **Height:** 58.0cm

Three-Phase Bi-Directional Inverter

Model No.		SUNSYNK-8K-SG04LP3
Product Type	Hybrid Inverter	
Enclosure	IP65	
Ambient Temperature	-40°C ~ 60°C, >45°C Derating	
Protection Level	Class I	
Charge Mode		
Battery Voltage	48Vd.c (40Vd.c ~ 60Vd.c)	
Battery Current	190Ad.c (max.)	
AC Input Voltage	3L/N/PE 220/380Va.c, 230/400Va.c	
AC Input Frequency	50/60Hz	
AC Input Rated Current	12.1/11.6A	
Max. AC Input Current	13.4/12.8A	
Max. AC Input Power	8800W	
Max. Apparent Output Power	8800VA	
PV Input Voltage	550Vd.c (160Vd.c ~ 800Vd.c)	
MPPT Input Voltage	200Vd.c ~ 650Vd.c	
PV Input Current	13Ad.c + 13Ad.c	
Max. PV Input Power	10400W	
Max. PV Isc	17Ad.c + 17Ad.c	
Utility-Interactive		
AC Output Voltage	3L/N/PE 220/380Va.c, 230/400Va.c	
AC Output Frequency	50/60Hz	
AC Output Rated Current	12.1/11.6A	
Max. AC Output Current	13.4/12.8A	
Max. AC Output Power	8800W	
AC Output Rated Power	8000W	
AC Output Power Factor	0.8 leading to 0.8 lagging	
Max. AC Isc	75Aa.c	
Battery Discharge Voltage	40Vd.c ~ 60Vd.c	
Battery Discharge Current	190Ad.c (max.)	
Battery Discharge Power	190 x 50 = 9500W	
Stand Alone		
AC Output Voltage	3L/N/PE 220/380Va.c, 400Va.c	
AC Output Frequency	50/60Hz	
AC Output Rated Current	12.1/11.6A	
AC Output Rated Power	8000W	
Max. Continuous AC Pass-through Current	45Aa.c	
Peak Output Power	16kW	
Battery Discharge Voltage	40Vd.c ~ 60Vd.c	
Max. Discharge Current	190Ad.c (max.)	
Compliance	VDE-AR-N 4105:1028-11; DIN/VE V 0124-100:2020-06; IEC/ EN62109-1/2:2010; IEC/EN62109-1/2:2011	



3-Phase 10kW Hybrid Inverter

The Sunsynk Three-Phase On-Grid Parity Inverter is a highly efficient power management tool for three-phase grid applications.

This inverter allows the user to control power flow from multiple sources such as solar, main electrical grids, and generators, and effectively store and deliver electric power to the grid.

They can operate with unbalanced loads, which means you can have 20% connected to one phase, 20% to another, and 60% to the third phase, and it still gives perfect phase rotation.

No other inverter in their class can offer this amazing feature.

Features:

- 48V low-voltage battery.
- Isolation transformer design.
- 6 time periods for battery charging/discharging.
- Maximum charging/discharging current of 210A.
- Frequency control.
- Up to 10 inverters in parallel.
- DC and AC couple to retrofit the existing solar system.
- Support storing energy from diesel generator.
- Interactive display.
- Warranty included.

Length: 42.2cm **Width:** 28.1cm **Height:** 65.8cm



Three-Phase Bi-Directional Inverter

Model No.	SUNSYNK-10K-SG04LP3
Product Type	Hybrid Inverter
Enclosure	IP65
Ambient Temperature	-40°C ~ 60°C, >45°C Derating
Protection Level	Class I
Charge Mode	
Battery Voltage	48Vd.c (40Vd.c ~ 60Vd.c)
Battery Current	210Ad.c (max.)
AC Input Voltage	3L/N/PE 220/380Va.c, 230/400Va.c
AC Input Frequency	50/60Hz
AC Input Rated Current	15.2/14.5A
Max. AC Input Current	16.7/15.9A
Max. AC Input Power	11000W
Max. Apparent Output Power	11000VA
PV Input Voltage	550Vd.c (160Vd.c ~ 800Vd.c)
MPPT Input Voltage	200Vd.c ~ 650Vd.c
PV Input Current	26Ad.c + 13Ad.c
Max. PV Input Power	13000W
Max. PV Isc	34Ad.c + 17Aa.c
Utility-Interactive	
AC Output Voltage	3L/N/PE 220/380Va.c, 230/400Va.c
AC Output Frequency	50/60Hz
AC Output Rated Current	15.2/14.5A
Max. AC Output Current	16.7/15.9A
Max. AC Output Power	11000W
AC Output Rated Power	10000W
AC Output Power Factor	0.8 leading to 0.8 lagging
Max. AC Isc	75Aa.c
Battery Discharge Voltage	40Vd.c ~ 60Vd.c
Battery Discharge Current	210Ad.c (max.)
Battery Discharge Power	10000W
Stand Alone	
AC Output Voltage	3L/N/PE 220/380Va.c, 230/400Va.c
AC Output Frequency	50/60Hz
AC Output Rated Current	15.2/14.5A
AC Output Rated Power	10000W
Max. Continuous AC Pass-through Current	45Aa.c
Peak Output Power	20000W (10 seconds)
Battery Discharge Voltage	40Vd.c ~ 60Vd.c
Max. Discharge Current	210Ad.c (max.)
Compliance	VDE-AR-N 4105:1028-11; DINVDE V 0124-100:2020-06; IEC/EN62109-1/2:2010; IEC/EN62109-1/2:2011



3-Phase 12kW Hybrid Inverter

The Sunsynk Three-Phase On-Grid Parity Inverter is a highly efficient power management tool for three-phase grid applications.

This inverter allows the user to control power flow from multiple sources such as solar, main electrical grids, and generators, and effectively store and deliver electric power to the grid.

They can operate with unbalanced loads, which means you can have 20% connected to one phase, 20% to another, and 60% to the third phase, and it still gives perfect phase rotation.

No other inverter in their class can offer this amazing feature.

Features:

- 48V low-voltage battery.
- Isolation transformer design.
- 6 time periods for battery charging/discharging.
- Maximum charging/discharging current of 240A.
- Frequency control.
- Up to 10 inverters in parallel.
- DC and AC couple to retrofit the existing solar system.
- Support storing energy from diesel generator.
- Interactive display.
- Warranty included.

Length: 42.2cm **Width:** 28.1cm **Height:** 65.8cm



Three-Phase Bi-Directional Inverter

Model No.		SUNSYNK-12K-SG04LP3
Product Type	Hybrid Inverter	
Enclosure	IP65	
Ambient Temperature	-40°C ~ 60°C, >45°C Derating	
Protection Level	Class I	
Charge Mode		
Battery Voltage	48Vd.c (40Vd.c ~ 60Vd.c)	
Battery Current	240Ad.c (max.)	
AC Input Voltage	3L/N/PE 220/380Va.c, 230/400Va.c	
AC Input Frequency	50/60Hz	
AC Input Rated Current	18.2/17.4A	
Max. AC Input Current	20/19.1A	
Max. AC Input Power	13200W	
Max. Apparent Output Power	13200VA	
PV Input Voltage	550Vd.c (160Vd.c ~ 800Vd.c)	
MPPT Input Voltage	200Vd.c ~ 650Vd.c	
PV Input Current	26Ad.c + 13Ad.c	
Max. PV Input Power	15600W	
Max. PV Isc	34Ad.c + 17Ad.c	
Utility-Interactive		
AC Output Voltage	3L/N/PE 220/380Va.c, 230/400Va.c	
AC Output Frequency	50/60Hz	
AC Output Rated Current	18.2/17.4A	
Max. AC Output Current	20/19.1A	
Max. AC Output Power	13200W	
AC Output Rated Power	12000W	
AC Output Power Factor	0.8 leading to 0.8 lagging	
Max. AC Isc	75Aa.c	
Battery Discharge Voltage	40Vd.c ~ 60Vd.c	
Battery Discharge Current	240Ad.c (max.)	
Battery Discharge Power	12000W	
Stand Alone		
AC Output Voltage	3L/N/PE 220/380Va.c, 230/400Va.c	
AC Output Frequency	50/60Hz	
AC Output Rated Current	18.2/17.4A	
AC Output Rated Power	12000W	
Max. Continuous AC Pass-through Current	45Aa.c	
Peak Output Power	24000W (10 seconds)	
Battery Discharge Voltage	40Vd.c ~ 60Vd.c	
Max. Discharge Current	240Ad.c (max.)	
Compliance	VDE-AR-N 4105:1028-11; DINVDE V 0124-100:2020-06; IEC/EN62109-1/2:2010; IEC/EN62109-1/2:2011	

LITHIUM BATTERIES

Sunsynk 5.32kWh Battery

Sunsynk's top-grade 5.32kWh lithium-ion phosphate batteries have been engineered to the highest standard. They are capable of up to 100% depth of discharge and scalable up to 16 times, allowing for a maximum of 85.12kWh per inverter.

Our BMS (Battery Management System) also offers a quick paralleling function, so no dip switches are needed, making installation straightforward.

Our battery is 1C rated, meaning that it will be able to charge or discharge at the full 5.32kWh until it is depleted. This allows the end user to utilise the full potential of our inverter and battery systems.

The Sunsynk 5.32kWh Battery is one of the lightest in its class, weighing just 46.5kg!

Features:

- 100% depth of discharge (recommended 80%).
- Scalable from 5.32 to 85.12 kWh.
- Premium lithium ion phosphate (LFP) 6000 cycles.
- Floor stand or wall mounted.
- Compatible with major PCS brand.
- One button ON / OFF automatic ID assignment.

Length: 45.0cm **Width:** 15.0cm **Height:** 53.3cm



Lithium Batteries

Model No.		SUN-BATT-5.32
Performance		
Nominal Voltage		51.2 Vdc
Nominal Capacity		104Ah
Battery Energy ¹		5320 Wh
Charge Voltage		55.68~56.16Vdc
Discharge Voltage		45.6-56.16 Vdc
Nominal Charge / Discharge Current		50A
Nominal Charge / Discharge Power		2500W
Max Charge / Discharge Current		100A
Max Charge / Discharge Power		5000W
Short Circuit Current		350A
Communication		
Display		SOC status indicator, LED indicator
Communication		RS232, RS485, CAN
General Specification		
Dimension (W×D×H mm)		450×520×185mm
Weight (kg)		46.5kg
Installation		Floor stand or wall mounted
Working Temperature ²		-20°C ~ 60°C
Storage Temperature		≤25°C,12 months; ≤35°C,6 months; ≤45°C,3 months
Operating / Storage / Humidity		≤95%RH
Max Operating Altitude		≤2000m
IP Rating		IP20
Cell Technology		LiFePO ₄ Lithium Ion Phosphate
Cycle Life ³		6000 Cycles @ 80% DOD/25°C/0.5C, 60% EOL
Scalability		Max 8 batteries in parallel
Standard Compliance		
Certification		PACK:UN38.3, IEC62619, IEC61000CELL:UN38.3, IEC62619, UL 1642, JET (more available upon request)

LITHIUM BATTERIES

Sunsynk IP65 Battery

Our IP65 lithium-ion phosphate is our most recent energy storage product developed and produced by Sunsynk. It can be used to support reliable power for various types of equipment and systems. It is especially suitable for application scenarios of high power, limited installation space and cycle life.

This energy storage module includes lithium-ion phosphate rechargeable batteries with 5.12kWh capacity, and our in-built battery management system allows for up to 32 modules in parallel.

Our BMS can manage and monitor cell information such as battery voltage, current and temperature. The BMS can balance cells charging and discharging to help maximise the life of your battery.

Features:

- Working temperature range is from -20°C to 55°C, with excellent discharge performance.
- Over-discharge, over-charge, over-current and over-high or low temperature.
- LiFePO4 with safety performance and long cycle life.
- Non-toxic and environmentally friendly.
- Floor stand or wall mounted.
- Multiple battery modules, can be in parallel for expanding capacity and power.

Length: 44.0cm **Width:** 13.5cm **Height:** 62.0cm



Lithium Batteries

Model No.		SUNSYNK-L5.1
Main Parameter		
Battery Chemistry		LiFePO4
Capacity (Ah)		100
Scalability		Max.32 pcs in parallel (163.8kWh)
Nominal Voltage (V)		51.2
Operating Voltage (V)		43.2~57.6
Energy (kWh)		5.12
Usable Energy (kWh)		4.61
Charge/Discharge Current (A)	Recommend	50
	Max.	100
	Peak(2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D)mm		440*640*140
Weight Approximate (kg)		50
Master LED Indicator		5 LED (SOC 20%~100%) 3 LED (working, alarming, protecting)
IP Rating of Enclosure		IP65
Working Temperature		Charge:0°C~55°C Discharge:-20°C~55°C
Storage Temperature		0°C~35°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥6000(25±2°C,0.5C/0.5C,70%EOL)
Installation		Wall Mounted or 19-inch standard cabinet
Communication Port		CAN2.0, RS485
Life Cycle Power During Warranty Period		16MWh@70%EOL
Certification		IEC62619, CE, UN38.3



STRING INVERTERS

Single-Phase Grid-Tied Inverters

SUN-3K-G / SUN-5K-G

This inverter is specifically designed to handle solar systems that power heaters and water pumps fitted to swimming pools, greenhouses and other power-hungry applications.

They can also be utilized to provide power for homes and businesses.

Some of these models are perfect for heating your hot water on sunny days, if there is a low amount of sunshine it will automatically pull power from the mains grid.

The CT coil built into these inverters will control when power is drawn from the grid or from the solar array. A Wi-Fi connection allows the user to remotely monitor and control this inverter and power connections are IP65 rated.



Model No.	SUN-3K-G	SUN-3.6K-G	SUN-5K-G
PV String Input Data			
Max. DC Input Power (W)	3600W	4680W	6500W
Start-up DC Input Voltage	120V	80V	
Max. DC Input Voltage	500V	550V	
MPPT Operating Range	100–500V	70–550V	
Max. DC Input Current	12.5A	12.5A + 12.5A	
Number of MPPT / Strings per MPPT	1 / 1	2 / 1	
AC Output Data			
Rated Output Power	3000W	3600W	5000W
Max. Active Power	3300W	4000W	5500W
AC Grid Voltage Range	180–300V		
Rated AC Grid Voltage	230V		
Rated Grid Frequency	50/60Hz (optional)		
Operating Phase	Single-phase		
Rated AC Grid Output Current	13.1A	15.7A	21.7A
Max. AC Output Current	14A	17.4	23.9A
Output Power Factor	0.8 leading to 0.8 lagging		
Grid Current THD	<3%		
DC Injection	<0.5%		
Grid Frequency Range	47–52 or 57–62 (optional)		
Efficiency			
Max. Efficiency	97.5%	97.3%	97.5%
Euro Efficiency	97.3%	97.1%	97.3%
Protection			
Integrated Protection	DC Reverse-Polarity Protection, AC Short Circuit Protection, AC Over-current Protection, Output Over-voltage Protection, Insulation Resistance Protection, Ground Fault Monitoring, Anti-Islanding Protection, Temperature Protection, Integrated DC Switch, Remote software upload, Remote change of operating parameters, Surge protection		
General Data			
Size (W x H x D)	330 x 310 x 115 mm	330 x 310 x 172 mm	
Weight	6kg	11kg	
Running Temperature	-25°C–60°C	-25°C–65°C	
Ingress Protection	IP65		
Noise Emission (Typical)	<30dB	<25dB	
Cooling Concept	Natural cooling		
Standards			
Grid Connection Standard	EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11	
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3		

Three-Phase Grid-Tied Inverters

SUN-30K-G / SUN-50K-G

This series of Grid-tied Inverters is the preferred choice for commercial PV system.

The free-standing design, greatly reduces installation time and costs, with a maximum of four MPPTs design and maximum capacity of 60kW, it is scalable up to the megaWatt range.

The inverters have four integrated MPPTs, allowing four-array to input from different roof orientations, this allows the system to be monitored and controlled remotely.



4 MPPT, max. efficiency up to 98.7%.



Zero export application, VSG application.



String intelligent monitoring.



Wide output voltage range.



Anti-PID function (optional).



Three-Phase Grid-Tied Inverters

Model No.	SUN-30K-G	SUN-50K-G	SUN-60K-G
PV String Input Data			
Max. DC Input Power (W)	39000W	65000W	78000W
Start-up DC Input Voltage	250V		
Max. DC Input Voltage	1000V		
MPPT Operating Range	200-850V		
Max. DC Input Current	40A+40A	40A+40A+40A+40A	
Number of MPPT / Strings per MPPT	2 / 3	4 / 3	
AC Output Data			
Rated Output Power	30000W	50000W	60000W
Max. Active Power	33000W	55000W	66000W
Rated AC Grid Voltage	3L/N/PE 380V/323V-418V, 400V/340V-440V		
Rated Grid Frequency	50/60Hz (optional)		
Operating Phase	Three-phase		
Rated AC Grid Output Current	43.5A	72.4A	87A
Max. AC Output Current	47.9A	79.7A	95.7A
Output Power Factor	0.8 leading to 0.8 lagging		
Grid Current THD	<3%		
DC Injection	<0.5%		
Grid Frequency Range	47-52 or 57-62 (optional)		
Efficiency			
Max. Efficiency	98.7%		
Euro Efficiency	98%		
Protection			
Integrated Protection	DC Reverse-Polarity Protection, AC Short Circuit Protection, AC Over-current Protection, Output Over-voltage Protection, Insulation Resistance Protection, Ground Fault Monitoring, Anti-Islanding Protection, Temperature Protection, Integrated DC Switch, Remote software upload, Remote change of operating parameters, Surge protection DC Type II / AC Type II		
General Data			
Size (W x H x D)	647.5 x 537 x 303.5 mm		
Weight	44.5kg		
Running Temperature	-25°C-65°C		
Ingress Protection	IP65		
Noise Emission (Typical)	<45dB		
Cooling Concept	Smart cooling		
Standards			
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11		
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3		

Three-Phase Grid-Tied Inverters

SUN-80K-G

This series is suited for medium and large-scale commercial rooftops and ground-mounted solar PV system in which reliability and stability are important.

The full series inverter has 30% DC input oversizing ratio and 10% AC output overloading ratio, offering a faster return on investment.

They still have four integrated MPPTs, allowing four-array to input from different roof orientations, this allows the system to be monitored and controlled remotely.



4 MPPT, max. efficiency up to 98.7%.



Zero export application, VSG application.



String intelligent monitoring.



Wide output voltage range.



Anti-PID function (optional).



Three-Phase Grid-Tied Inverters

Model No.	SUN-75K-G	SUN-80K-G
PV String Input Data		
Max. DC Input Power (W)	39000W	65000W
Start-up DC Input Voltage	250V	
Max. DC Input Voltage	1000V	
MPPT Operating Range	200-850V	
Max. DC Input Current	40A+40A+40A+40A	
Number of MPPT / Strings per MPPT	4 / 4	
AC Output Data		
Rated Output Power	75000W	80000W
Max. Active Power	82500W	88000W
Rated AC Grid Voltage	3L/N/PE 380V/323V-418V, 400V/340V-440V	
Rated Grid Frequency	50/60Hz (optional)	
Operating Phase	Three-phase	
Rated AC Grid Output Current	108.7A	115.9A
Max. AC Output Current	119.6A	127.5A
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3%	
DC Injection	<0.5%	
Grid Frequency Range	47-52 or 57-62 (optional)	
Efficiency		
Max. Efficiency	98.7%	
Euro Efficiency	98.7%	
Protection		
Integrated Protection	DC Reverse-Polarity Protection, AC Short Circuit Protection, AC Over-current Protection, Output Over-voltage Protection, Insulation Resistance Protection, Ground Fault Monitoring, Anti-Islanding Protection, Temperature Protection, Integrated DC Switch, Remote software upload, Remote change of operating parameters, Surge protection DC Type II / AC Type II	
General Data		
Size (W x H x D)	700 x 575 x 297 mm	
Weight	60kg	
Running Temperature	-25°C-65°C	
Ingress Protection	IP65	
Noise Emission (Typical)	<55dB	
Cooling Concept	Smart cooling	
Standards		
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11	
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3	

Three-Phase Grid-Tied Inverters

SUN-100K-G

This is the largest inverter that we currently produce, reaching 100 kW. Only 10 of these inverters are needed for a mega-Watt solar farm.

All this with an ultra-compact design, cool operation. It is an amazing investment for your system.



6 MPPT, max. efficiency up to 98.7%.



Wide output voltage range.



Zero export application, VSG application.



Anti-PID function (optional).



String intelligent monitoring.

Three-Phase Grid-Tied Inverters

Model No.		SUN-100K-G
PV String Input Data		
Max. DC Input Power (W)	150000W	
Start-up DC Input Voltage	250V	
Max. DC Input Voltage	1000V	
MPPT Operating Range	200-850V	
Max. DC Input Current	40A+40A+40A+40A+40A+40A	
Number of MPPT / Strings per MPPT	6 / 4	
AC Output Data		
Rated Output Power	100000W	
Max. Active Power	110000W	
Rated AC Grid Voltage	3L/N/PE 380V/323V-418V, 400V/340V-440V	
Rated Grid Frequency	50/60Hz (optional)	
Operating Phase	Three-phase	
Rated AC Grid Output Current	159.4A	
Max. AC Output Current	175.4A	
Output Power Factor	>0.99	
Grid Current THD	<3%	
DC Injection	<0.5%	
Grid Frequency Range	47-52 or 57-62 (optional)	
Efficiency		
Max. Efficiency	98.7%	
Euro Efficiency	98.3%	
Protection		
Integrated Protection	DC Reverse-Polarity Protection, AC Short Circuit Protection, AC Over-current Protection, Output Over-voltage Protection, Insulation Resistance Protection, Ground Fault Monitoring, Anti-Islanding Protection, Temperature Protection, Integrated DC Switch, Remote software upload, Remote change of operating parameters, Surge protection DC Type II / AC Type II	
General Data		
Size (W x H x D)	838 x 568 x 323 mm	
Weight	73.7kg	
Running Temperature	-25°C-65°C	
Ingress Protection	IP65	
Noise Emission (Typical)	<55dB	
Cooling Concept	Smart cooling	
Standards		
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11	
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3	



Micro Inverters

SUN600G3 / SUN800G3 / SUN1000G3

Ranging from 600W to 1000W these units have rapid shutdown, high efficiency, and low power consumption at night, they also have 2 MPPT inputs. They come with PLC, Zigbee, and Wi-Fi communication, requiring no external communication device.



Model	SUN600G3	SUN800G3	SUN1000G3
Input Data (DC)			
Recommended Input Power (STC)	210 ~ 400W (2 pieces)	210 ~ 600W (2 pieces)	210 ~ 600W (2 pieces)
Maximum Input DC Voltage	60V		
MPPT Voltage Range	25 ~ 55V		
Operating DC Voltage Range	20 ~ 60V		
Max. DC Short-Circuit Current	16A		
Max. Input Current	10.5A x 2	12.5A x 2	12.5A x 2
Output Data (AC)			
Output Power Peak	600W	800W	1000W
Max. Output Power	660W	880W	1100W
Max. Output Current	2.9A	3.8A	4.8A
Nominal Voltage / Range	230V / 184 ~ 265V		
Nominal Frequency / Range	50/60Hz		
Extended Frequency / Range	45 ~ 55Hz / 55 ~ 65Hz		
Power Factor	> 0.99		
Max. Units per Branch	8	6	5
Efficiency			
CEC Weighted Efficiency	95%		
Inverter Efficiency Peak	96.50%		
Static MPPT Efficiency	99%		
Night Time Power Consumption	50mW		
Mechanical Data			
Ambient Temperature Range	-40°C ~ 65°C		
Size (W/H/D)	212 x 229 x 40mm (without mounting bracket and cable)		
Weight	3.5kg		
Cooling	Natural cooling		
Enclosure Environmental Rating	IP67		
Features			
Compatibility	Compatible with 60~72 cell PV modules		
Communication	Power line / Wi-Fi / Zigbee		
Compliance	EN50549 / VDE0126 / VDE4105 / IEC62109 / CE / INMETRO		

Warranty included.



Micro Inverters

SUN1600G3 / SUN2000G3

Our higher power micro-inverters, are perfect for applications with multiple panels. They feature rapid shutdown, high efficiency, great power factor, and low power consumption at night. In addition, they have 4 MPPT trackers, which allow the connection of multiple modules. All this without any external communication device.



Model	SUN1300G3	SUN1600G3	SUN1800G3	SUN2000G3
Input Data (DC)				
Recommended Input Power (STC)	210 ~ 400W (4 pieces)	210 ~ 600W (4 pieces)	210 ~ 600W (4 pieces)	210 ~ 600W (4 pieces)
Maximum Input DC Voltage	60V			
MPPT Voltage Range	25 ~ 55V			
Operating DC Voltage Range	20 ~ 60V			
Max. DC Short-Circuit Current	16A			
Max. Input Current	10.5A x 4	12.5A x 4	12.5A x 4	12.5A x 4
Output Data (AC)				
Output Power Peak	1300W	1600W	1800W	2000W
Max. Output Power	1430W	1760W	1980W	2200W
Max. Output Current	6.2A	7.7A	8.6A	9.6A
Nominal Voltage / Range	230V / 180 ~ 265V			
Nominal Frequency	50 / 60Hz			
Frequency Range	45 ~55Hz / 55~65Hz			
Power Factor	> 0.99			
Max. Units per Branch	4	4	3	3
Efficiency				
CEC Weighted Efficiency	95%			
Inverter Efficiency Peak	96.5%			
Static MPPT Efficiency	99%			
Night Time Power Consumption	50mW			
Mechanical Data				
Ambient Temperature Range	-40°C ~ 65°C			
Size (W/H/D)	267 x 300 x 42.5mm (without mounting bracket and cable)			
Weight	5.2kg			
Cooling	Natural cooling			
Enclosure Environmental Rating	IP67			
Features				
Compatibility	Compatible with 60~72 cell PV modules			
Communication	Power line / Wi-Fi / Zigbee			
Compliance	EN50549 / VDE0126 / VDE4105 / IEC62109 / CE / INMETRO			

Warranty included.

CONTAINED POWER & STORAGE

Sunsynk Mobile

Providing comprehensive high and low-voltage solutions in compact, self-contained packages. Our versatile systems cater to a wide range of environments, from powering small remote devices to large industrial warehouses, ensuring reliable and uninterrupted power wherever you go.

What can the Sunsynk Mobile range do for me?

Sunsynk Mobile focuses on efficient hybrid inverters and stable, long-lasting Lithium-Phosphate battery storage systems which can manage your renewable power generators. By connecting solar and wind power generators, you can make power without causing unnecessary air and noise pollution and cut costs in fuel consumption.



BUILDING SITES & MOBILE OFFICES

Integrating our system enables the stored energy to power equipment, machinery, and on-site offices.



AQUA-CULTURE

Farmers can benefit from solar-powered machinery managed by Sunsynk hybrid inverters, reducing energy costs and air pollution.



UPS

A reliable UPS facility can be placed on-site to keep vital equipment running in the event of power outages.



CAMPSITES

An on-site charging station made up of solar panels, a hybrid inverter and battery storage to assist in supplying cheap power to campers.



EV CHARGING

Adding a Sunsynk hybrid inverter and battery storage system allows mains power to be stored and can be used later on the EV charging point.

Our Products



CONTOUR

Portable Power Station.

Contour 100: 921.6Wh - LiFePO₄
 Contour 200: 1843.2Wh LiFePO₄



LIFELYNK

All-in-One, Plug-&-Play and Expandable.

Lifelynk S: 2.5kW
 Lifelynk X: 3.6kW



5 WAY BATTERY CABINET

Inverter & Battery Cabinet.

25kWh battery capacity
 20kWh battery capacity + inverter



TERRA

Alternative to Diesel Generators.

5kW Terra
 7.6kW Terra



INNAGATOR

Power & Energy Storage System.

1MkWh battery capacity

Coming Soon...



SKID UNITS

Perfect for Job Sites.

Based on the 16kW Sunsynk inverter range



OFFICE UPS

Simple Portable, All-In-One Units.

Based on the 10kW Sunsynk rack inverter range

Want to find out more about Sunsynk Mobile?



Sunsynk Mobile Website

To find out more about us, our products and what they can do for you, please scan the code or visit:

www.sunsynkmobile.com

Sunsynk Mobile Product Information

To access all product manuals, datasheets etc, please scan the code or visit:

www.sunsynkmobile.com/manuals-downloads



ACCESSORIES

Meter & Mounting Accessories



Meter



Wall Mounting



C100 Standing Installation



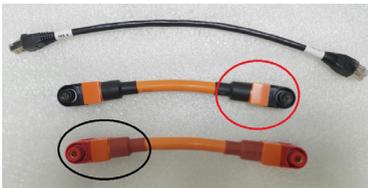
Long Cable Set



Medium Cable Set



Short Cable Set



Connectors



C300 Quick Fix Set

Data Logger & Sunsynk Connect

The Sunsynk Data Logger & Sunsynk Connect have been completely developed to help you get the most out of your Sunsynk Inverter. It has been specially tailored for the customers and installers.

The Sunsynk Data Logger has been manufactured to the highest standards. It is IPX7 rated, flame retardant, anti UV and encrypted to have complete view and control of the installed energy generation and storage system, making it ideal for most indoor or outdoor applications.

Using Sunsynk Connect with your Sunsynk Data Logger gives you complete control of your system from anywhere in the world, provided that you have a stable internet connection.



resume transmission



plug & play



IPX7



encryption



flame retardant



OTA



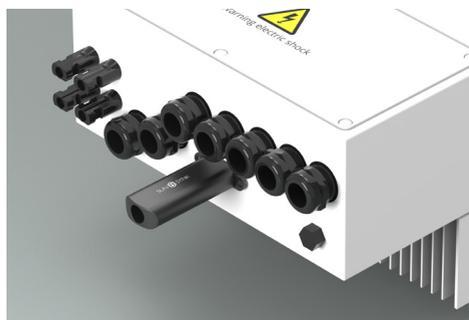
anti-UV



remote configuration



tool-free





Complete control over your Hybrid Inverter. Using our data logger gives you complete control over your hybrid inverter. You will gain access to features that cannot be accessed via the inverter control panel, such as the update / upgrade feature to update the inverter operating system yourself.

Change all settings remotely. Our data logger allows you to change and edit all settings remotely from anywhere in the world, provided that you have an Internet connection.

Brand new app for PC, IOS and Android devices. We have designed and developed our very own app which has been specially tailored for the customer and installer.

Real-time monitoring. The majority of our app works in real-time including any changes that you make will instantly update on your inverter.

Fully integrated with Octopus Agile. Our app is fully integrated with Octopus Agile, with this information you can set your charge / discharge price's and the system will automatically monitor the current tariff and amend the charge / discharge according to your setup.

Reporting. Generate custom reports and graphs to help you monitor and understand how your system is working and where you are saving money.

Recommended settings. Using the settings feature you already have a head start on your installation. Once your inverter has been fitted, you can select from the list of recommended settings and import it straight to your inverter. Installers can also export settings from an inverter and upload to another one to cut down on their installation time.

Live stats and monitoring. You have access to multiple stats including live monitoring and reporting. Using this app allows you to see peaks in your energy usage, you can then customize your system to work around this to help you save money on your electricity bills.



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