



Revolutionising the way we store,  
generate & control energy

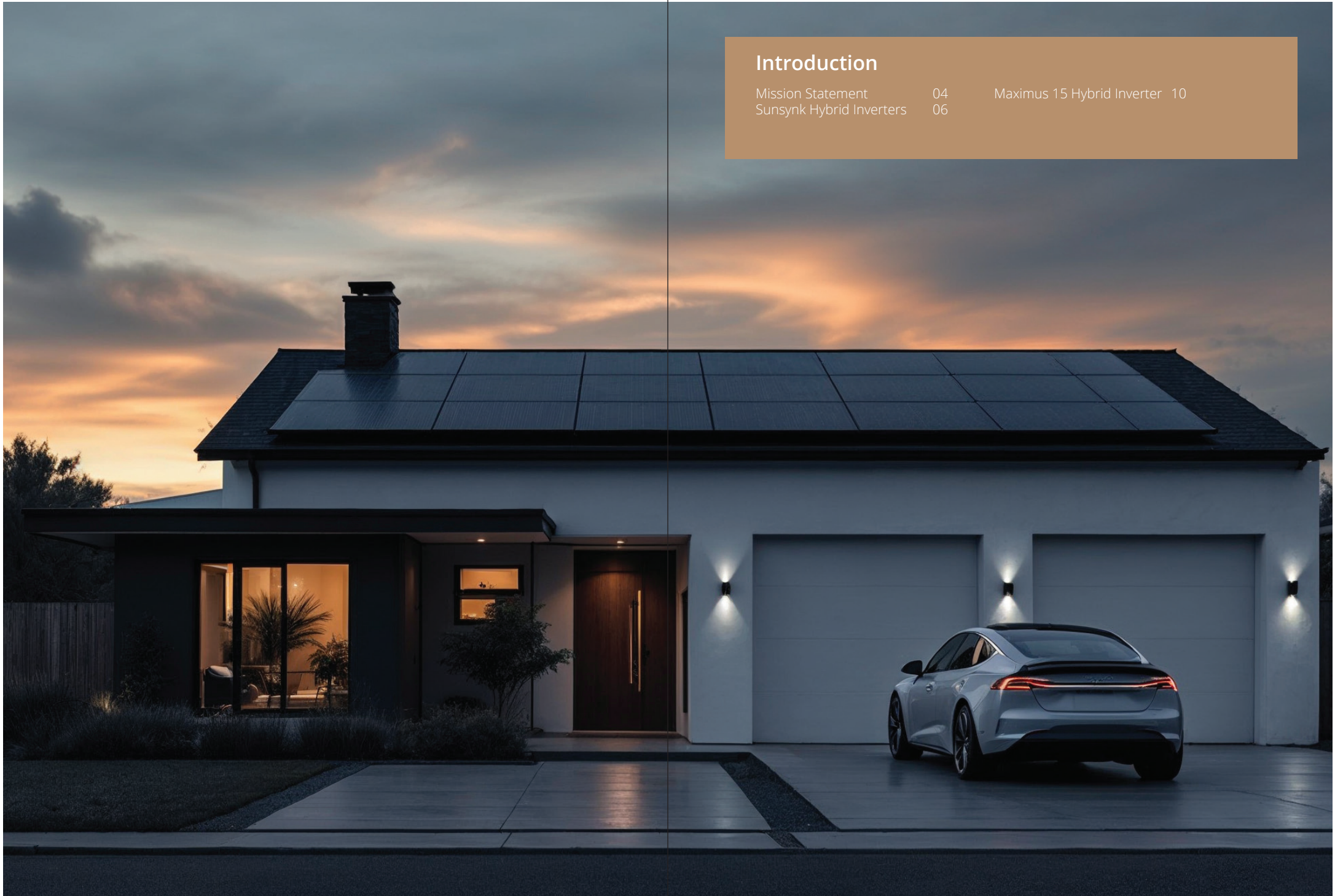
## North America

Inverters & Energy Storage Solutions



POWERED BY  
SUN SYNK





## Introduction

Mission Statement  
Sunsynk Hybrid Inverters

04  
06

Maximus 15 Hybrid Inverter 10



Mathew Hickin, CEO



Kieth Gough, Executive Chairman

# Mission Statement

## The Future of Energy is Here – And Sunsynk is Leading the Way

Sunsynk is a privately owned business with family values at it's core. The mission of our founder and Executive Chair is to empower individuals and businesses around the world to take control of their energy. Through innovative, reliable, and sustainable solar solutions, designed and developed in the UK, we are dedicated to providing cutting-edge technology that helps reduce energy costs, increase energy independence, and create a cleaner, more sustainable future for all.

We are committed to leading the global transition to renewable energy by offering high-performance products, including hybrid inverters, energy storage systems, and our unique Sunsynk Connect, enabling customers to monitor and manage their energy usage in real-time.

With a focus on reliability, efficiency, and customer-first support, Sunsynk is building energy systems that cater to the diverse needs of homes and businesses worldwide. We believe in making energy freedom a reality for everyone.



### Innovation

Constantly advancing technology to provide the most efficient & reliable energy solutions.



### Quality

Ensuring high quality performance & durability in every product.



### Sustainability

Committed to environmentally friendly practices & promoting renewable energy.



### Satisfaction

Prioritising customer needs & satisfaction through excellent service & support.



### Reliability

Providing dependable products & services that installers & customers can trust.



### Partnership

Building strong relationships with customers, suppliers, & communities to achieve mutual success.



# Sunsynk Hybrid Inverters

## Traditional Inverters

Inverters have been around for a long time. Solar panels connect to the inverter, which converts the DC power from the panels into AC power for home use. Traditional systems work only when the sun is shining, and any unused energy is fed back to the grid. Depending on your electricity tariff, you may receive a small payback for this, usually a few cents per kWh. However, in the evening when there is no sun, you might end up buying that power back at a much higher rate.

## Sunsynk's Game-Changing Inverters

Sunsynk has developed a revolutionary storage inverter known as a bi-directional inverter over 15 years ago. This allows for fast charging of a storage battery during the day, storing excess power for use in the evenings.

Our latest inverters have been developed specifically for the requirements of the American market, taking our globally proven hybrid technology, and adapting it to the exacting requirements of the USA consumer.

These inverters, also known as Hybrid Inverters, can be used for both on-grid and off-grid applications, allowing you to connect solar PV and batteries to the same inverter.



## Standard Features

### Features

- Up to 10 years warranty\*
- IP65 protection.
- Compact design.
- Free remote monitoring mobile application.
- Works both on and off-grid.
- Rapid battery charging.
- Built-in DC isolator.
- Built-in UPS (Uninterrupted Power Supply).
- Built-in Auxiliary load.
- Works with both solar & wind turbines.
- Backup generator compatible.
- Up to 200 Amp passthrough as an option.

All our hybrid inverters come with a user-friendly touchscreen LCD display, IP65 protection, and a standard five-year warranty.

\* Includes a 10-year warranty when paired with a Sunsynk battery.

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

All Sunsynk Hybrid Inverters are compatible with our Sunsynk Connect App, available on both mobile and desktop. This ensures you get the most out of your on or off-grid setup, giving you full control of your Hybrid Inverter from anywhere in the world!







# Maximus 15K

Your path to energy  
independence



Effortless Installation &  
Plug-and-Play Setup



Seamless Diesel  
Generator Integration



Grid-Tied &  
Off-Grid Ready



Maximum Efficiency  
& Performance

# Maximus 15 Split Phase Hybrid Inverter

Take control of your energy with the Sunsynk Maximus 15KW PV. A cutting-edge low voltage system designed to provide reliable scalable power for U.S. homeowners. Crafted by a trusted industry leader with years of experience delivering top-selling energy solutions worldwide, take charge of your energy and break free from reliance on the grid.

The Maximus represents the peak of hybrid inverter innovation. Developed by the same pioneering team that has led the way in hybrid inverter technology for over two decades, it combines the latest advancements in energy management and storage.

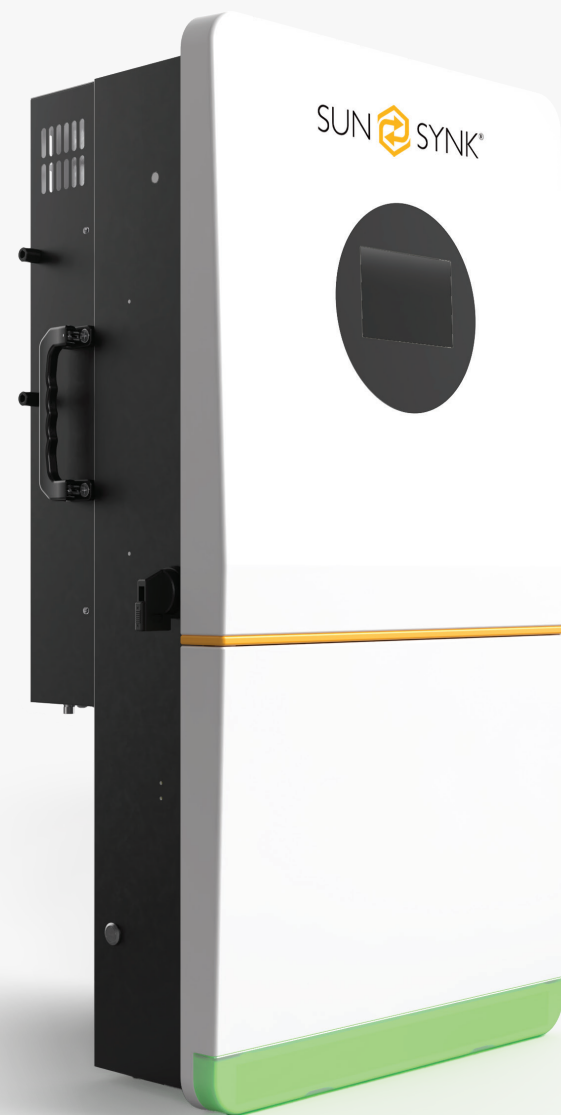
With built-in Wi-Fi and Sunsynk Connect technology, the Maximus intelligently optimizes your home's energy use—maximizing renewable energy while keeping your electricity costs as low as possible.

Designed to work seamlessly with solar panels, wind power, and even backup diesel generators, the Maximus ensures your home stays powered long after the grid and other systems go down.

## Specifications

### Maximus 15 SSM-11.4-SPHYB-UL

Max. DC Input Power (W)	15000
Max. DC Input Voltage (V)	600
Max. Output Power (W)	11400
Max. Output Current (A)	47.5
Nominal Output Voltage (VAC)	120/240 Split Phase
Max. AC Input Power (W)	16200
Max. Bypass Current	47.5
Max. Efficiency	98.00%
No. of MPPT/No. of String Per MPPT	3/2+2+2
Max. Operating PV Input Current	30+22+22







Model	SSM-6-SPHYB-UL	SSM-7.6-SPHYB-UL	SSM-11.4-SPHYB-UL
Battery Input Data			
Battery Type	Lithium-ion/Lead-acid		
Rated Battery Voltage	48V		
Battery Voltage Range	40V-64V		
Max. Charging Current	210A		
Max. Discharging Current	130A	180A	210A
Max. Charging Power	10,000W		
Max. Discharging Power	6,000W	7,600W	10,000W
PV String Input Data			
Max. DC Input Power	9,000W	12,000W	15,000W
PV Input Voltage	450V (90V - 600V)		
Start-up Voltage	90V		
MPPT Range	70V-540V		
PV Input Current	30A+22A	30A+22A+22A	
Max. PV Isc	40A+30A	40A+30A+30A	
Strings per MPPT	2+2	2+2+2	
No. of MPPTs	2	3	
AC Output Data			
Rated AC Output and UPS Power	6,000W	7,600W	10,000W
Max. AC Output Apparent Power	6,600VA	7,600VA	11,400VA
Max. AC Output Power	6,600W	7,600W	11,400W
Peak Power (Off-Grid)	2 Times of Rated Power, 1s		
AC Output Rated Current	25A	31.7A	41.7A
Max. AC Current	27.5A	34.8A	47.5A
Rated Input/Output Voltage	120/240V (Split Phase) , 120/208V (2/3 Phase)		
Rated Input/Output Grid Frequency/Range	50Hz/45Hz-55Hz , 60Hz/55Hz-65Hz		
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging (> 0.99 @ Rated Power)		
Total Current Harmonic Distortion THDi	<3% (of Nominal Power)		
Transfer Time	< 10ms (Typical)		
THDV	<3% @100% R Load		
Efficiency			
Max. Efficiency (PV to AC)	98.0%		
Max. Efficiency (BATT to AC)	94.5%		
CEC Efficiency	96.5%		
Protection			
Protection Category	Class I		
Integrated	DC Switch, Anti-Islanding Protection, AC Overcurrent Protection, AC Short Circuit Protection, DC Reverse Connection, Insulation Resistance Detection, Leakage Current Protection, AFCI/RSD Monitoring		
DC/AC Overvoltage Protection	DC Type II, AC Type IV		
Surge Arrester	DC Type II, AC Type II		

# Contact Us

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.



USA

Mon - Friday  
Tel

9am - 5pm  
+1 813 723 2225



UK

Mon - Friday  
Tel

9am - 5pm  
+44 151 832 4300



Hong Kong

Mon - Friday  
Tel

9am - 5pm  
+852 3704 4979



**Sunsynk**  
Excellent



Aug 22, 2024

### Excellent support and fast assistance...

Excellent support and fast assistance directed me to correct a minor oversite. Thank you Sunsynk fast and professional service.



### Best PV Equipment Support I've worked...

Best PV Equipment Support I've worked with in 6+ years. Extremely Responsive EVERYTIME and thorough in their support



## More Information



### BEGINNERS

For beginners or if you want to find out more about our inverters and what they can do for you.  
[www.sunsynk.org/ourinverters](http://www.sunsynk.org/ourinverters)



### GLOBAL SALES TEAM

To contact a member of our sales team please scan the code or visit:  
[www.sunsynk.org/globalsalesteam](http://www.sunsynk.org/globalsalesteam)



### APPROVED INSTALLERS

To see our approved installers and their locations please follow the link:  
[www.sunsynk.org/approvedinstallers](http://www.sunsynk.org/approvedinstallers)



### TECHNICAL SUPPORT

For advise, help or trouble-shooting please visit:  
[www.sunsynk.org/tech-support](http://www.sunsynk.org/tech-support)



### OUR DISTRIBUTORS

To see distributors in your area please scan or visit:  
[www.sunsynk.org/ourdistributors](http://www.sunsynk.org/ourdistributors)





## Contact Us

---

**Call** +44 151 832 4300 **Email** [sales@sunsynk.com](mailto:sales@sunsynk.com) **Website** [www.sunsynk.com](http://www.sunsynk.com)

**Address**

<b>HK</b>	Room 702-704, 7/F Texwood Plaza, 6 How Ming Street, Kwun Tong, Kowloon, Hong Kong
<b>UK</b>	Sunsynk UK Ltd, 17 Turnstone Business Park, Mulberry Avenue, Widnes, Cheshire, WA8 0WN
<b>SA</b>	Unit 2, 3 & 4, 80 Highview Blvd, Ferndale, Randburg, 2160, South Africa
<b>NL</b>	Sunsynk NL BV, Henri Wijnmalenweg 8, 5657 EP Eindhoven, Netherlands
<b>AU</b>	Level 1, 982-988 Wellington Street, West Perth WA 6005, Australia
<b>ES</b>	Tafetana, 32 P.I. Las Andoriñas 38639 Las Chafiras Santa Cruz de Tenerife
<b>US</b>	100 S. Ashley Drive, Suite 600, Tampa, Florida, 33602, United States of America