

SUN  SYNK[®]



Product Portfolio
Inverters, solar & lighting





Meet the Sunsynk® Parity Inverter

Sunsynk Parity Inverter with Storage & programmable export facility.

array and silently use the power until the tank is empty or close to empty. Subsequently, it can be topped back up again by the generating facilities.

When excess power is diverted to the grid, it is possible in countries such as the UK or Hong Kong to receive payback from the mains supplier. This will allow the customer to earn money and cover the cost of the inverter within a short period of time.

The Sunsynk® range of solar products is the culmination of years of research and development, this inverter is one of our newest products. This device combines the functions of inverter, solar charger and battery charger to offer uninterrupted power support in a convenient size. Its comprehensive LCD display offers users configurable and accessible button operation to adjust functions such as battery charging current, AC/Solar charger

priority, and acceptable input voltage in order to match different applications.

There is a very real advantage in using the Inverter on a generator system as it will assist greatly in reducing the consumption of diesel. The generator simply runs for a period of time and the power is sent through the inverter to the user. At the same time the inverter stores power so that when the batteries are full, the inverter can stop the generator and the power source is switched to the batteries.

SAVE 90% ON YOUR ELECTRICITY BILLS

The Inverter can also be used to take power directly from an engines alternator and pass it into the battery pack thereby reducing reliance upon a generator. Consequently, the system is able to save on fuel, reduce exhaust fumes and cut out excessive noise while the batteries are powering the load.

Using the Inverter's Functions

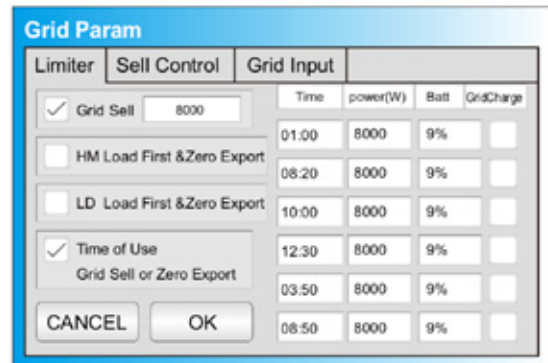
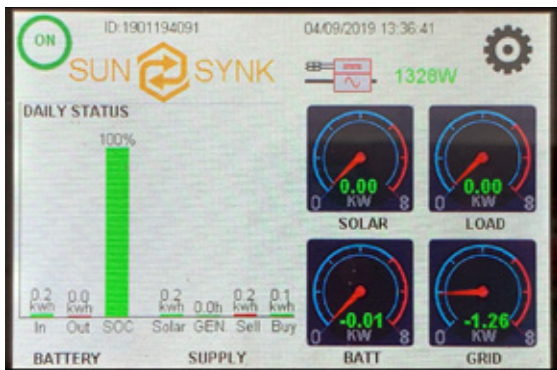
The inverter can power all kinds of appliances in the home or office environment, including motor-type appliances such as tube lights, fans, refrigerators and air conditioners. It works rather like a water tank when storing electricity in that you fill the tank up from a generator or solar



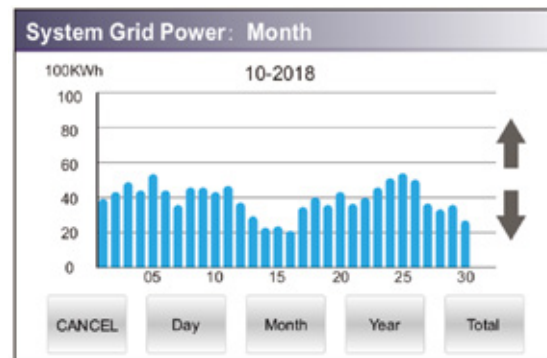
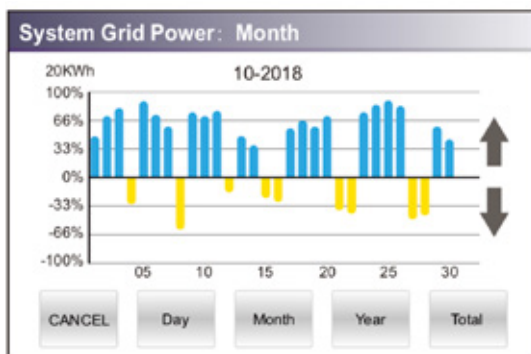
Getting to know our inverters

Getting to know our inverters.
Easy-to-use interface.

Fully programmable via an LCD display that can alter the amount of power exported, fed into the grid or stored in the batteries.



Excellent data analytics that can be accessed remotely via Wi-Fi or GSM.





8.8kW On-Grid Parity Inverter with Storage

SUNSYNK-8.8K-48-ST Includes MCBs

The 8.8KW Parity Inverter is a world leader in its class.

OUR INVERTERS ARE LIKE NO OTHER!

Not only is it responsible for DC to AC inversion, it also has MPPT and voltage management for each type of power input.

That means it can be fed DC power from solar, wind turbine and AC from mains-grid at the same time then calculate the correct amount of power to be stored in the batteries, used by appliances or fed back into the grid.

The inverter has excellent efficiency and performs above

97%. It is easy to install and has a clear touch screen where you can programme and read the system status. Added to the inverter is a Wi-Fi port to allow the user to monitor the inverter via the internet.

Main Features

- 120V/240V split phase, 230V single phase
- Self consumption and feed-in to the grid options
- Auto re-start while AC is recovering
- Programmable
- Compatible to mains voltage or generator power
- 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)

Hybrid Grid Tied Inverter with Storage

| | |
|-----------------------------|-------------------------------------|
| Max PV Power | 8800W |
| Rated DC Power | 8000W |
| Max DC Voltage | 500V |
| MPPT Voltage Range | 125~480V |
| Starting Voltage | 125V |
| Max DC Current | 17A/17A |
| Input Lines | 2+2 |
| Battery Type | Lead-Acid or Li-ion Battery |
| Battery Rated Voltage | 48V |
| Rated AC/DC & Reserve Power | 8000W |
| Max AC Power | 8000W |
| Peak Power (off-grid) | 1.5 Times Rated Power, 10s |
| AC Output Range | 50/60Hz; 120Vac & 230Vac |
| Off-grid Output | 45~55H/55~65Hz 180~270Vac 230Vac±2% |
| Input Usage | 48VDC |

SUN  SYNK[®]



**BSS LIGHTING AND POWER SOLUTIONS
(Authorised Distributor - AUSTRALIA)**

Address: Level 3, 55 Pyrmont Bridge Road, Pyrmont NSW 2009 Australia

Phone: +61 (0) 2 9674 8478

Email: mail@bsslps.com.au

Website: www.bsslps.com.au