



NUR POWER

Energy Freedom

Never pay another power bill again with our advanced, clean, affordable energy systems.



Superior components that are purpose designed

The NurPower is a complete system that is simple to install, you simply Plug and Play. Inside of every NurPower energy storage system you will find an advanced LifePo4 based durable battery modules, an inverter, an intelligent human management interface, measurement technology and the software to operate it all smoothly; All in one handy system.

In contrast to most other systems in the market that utilize outdated lead based batteries (SLA, AGM etc..) the NurPower components are built into a single high-quality casing and perfectly attuned to each other - thereby ensuring maximum longevity and the highest quality.

Design your own energy need.

The NurPower isn't limited to storing energy generated by a PV system. Just connect the NurPower Energy storage system to the grid power and you can now use the system as back-up or on a Time of use where electricity is saved at its cheapest and used when electricity tariffs are high.

The NurPower Energy Storage System can be combined with wind generators, heat pumps and fuel cells. So regardless of the energy concept you decide on for your home, the NurPower Energy Storage System can be part of it.

You can size your system according to your need.

Every household has a different power usage requirement. That's why we at NurPower have developed multi-stage multi sized energy storage system that can be adapted to your energy needs. With storage sizes ranging from 2.5 kWh to 50 kWh the NurPower will power a residential house to most small to medium sized enterprises. The capacity of the NurPower can be expanded in 2.5 kWh blocks.

The NurPower ESS

Solar 24/7

NurPower Energy Storage System allows you the freedom of solar power night and day. Our integrated smart electronics manage the solar production during the day allowing for excess power to be stored for night time usage.

Say bye bye to Black-outs

Electricity blackouts have become more frequent and with-out expensive grid augmentation they are only set to get worse.

With NurPower's Energy Storage System you will never notice another black-out

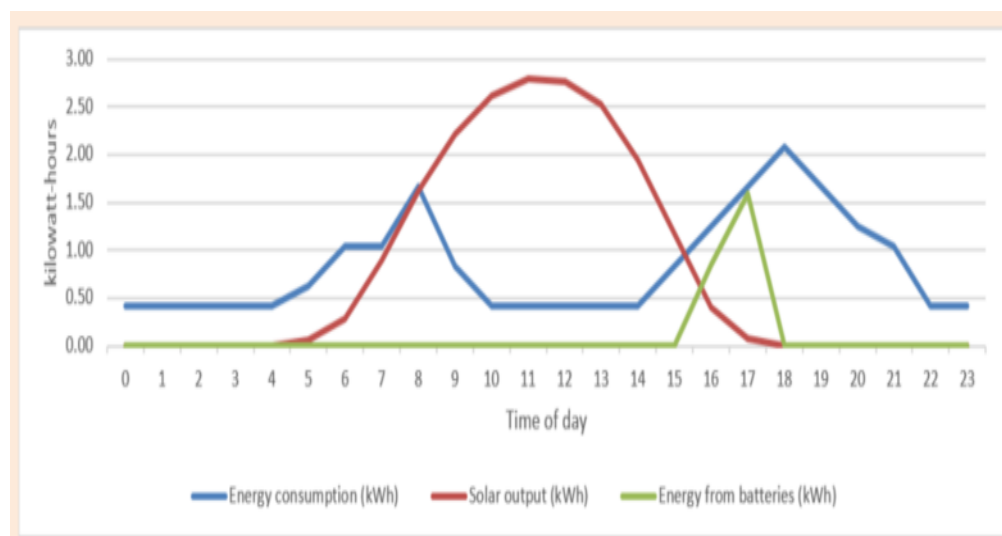
Tariff Rate Arbitrage

Is your house or business on Tariff rate arbitrage? If so NurPower Energy Storage allows you to store energy when it is cheap and running your house or business off the battery when rates are higher. The NurPower Energy Storage is the right choice for everybody at every budget.

Take back the POWER

We receive on average all our required energy needs from the sun and failure to harness such free energy only ensures we are beholden to the power companies. The NurPower energy storage system integrated with solar panels allows your home to produce and store 100% of the energy you require, enabling your home greater energy autonomy.

With NurPower you will always have the latest technology built in one system, from remote monitoring to autonomous load management we will always ensure you have the latest tech.



NurPower ESS - The Specs

NUR POWER'S Energy Storage System is a fully-integrated Solar storage system for residential or light commercial use. Its rechargeable lithium-iron phosphate battery pack provides energy storage for solar self-consumption, time-based control, and backup.

NUR POWER'S Energy Storage System's electrical interface provides a plug and play solution to any home or building. The innovative compact human interface enables owners to quickly realise the benefits of reliable, clean power visually.

PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	230 V
Phase Type	Single Phase (3 Phase Available)
Grid Frequency	50 Hz
Total Energy ¹	2.5 to 10 kWh
Usable Energy ¹	90%
Real Power, max continuous ²	5 kW (charge and discharge)
Apparent Power, max continuous	5.5 kVA (charge and discharge)
Power Factor	0.9
Internal Battery DC Voltage	48 V (51.2V)
Round Trip Efficiency ^{1,3}	90%
Warranty	36 Months (Optional upto 10yrs)



MECHANICAL SPECIFICATION

Dimensions ¹	600mm x 600mm x 1300mm
Weight	Depends on the configuration
Mounting options	Floor mounted

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-10°C to 45°C
Recommended Temperature	0°C to 40°C
Operating Humidity (RH)	Up to 99%, condensing
Storage Conditions	-5°C to 30°C Up to 90% Humidity
Maximum Elevation	3000 m
Environment	Indoor rated
Ingress Rating	IP (Battery & Power Electronics)
Noise Level @ 1m	< 30 dBA at 30°C

NurPower Stima - The Specs

NUR POWER'S Stima Energy Storage System is a fully-integrated Solar storage system for residential or light commercial use. Its rechargeable lithium-iron phosphate battery pack provides energy storage for solar self-consumption, time-based control, and backup.

NUR POWER'S Energy Storage System's provides a plug and play solution to any home or building. The innovative compact human interface enables owners to quickly realise the benefits of reliable, clean power visually.



PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	230 V
AC Output	Single Phase
Grid Frequency	50 Hz
Total Energy ¹	1kWh>
Usable Energy ¹	90%
Max continuous ²	0.6 to 1 kW (charge and discharge)
DC Voltage Output	12V/24 V (12.8V/25.6V)
Internal Battery DC Voltage	12V/24 V (12.8V/25.6V)
Round Trip Efficiency ^{1,3}	Over 90%
Warranty	12 Months (Optional up to 10yrs)

MECHANICAL SPECIFICATIONS

Dimensions ¹	600mm x 400mm x 200mm
Weight	20kg
Mounting options	Floor or wall mounted

ENVIRONMENTAL SPECIFICATION

Operating Temperature	-10°C to 45°C
Recommended Temperature	0°C to 40°C
Operating Humidity (RH)	Up to 99%, condensing
Storage Conditions	-5°C to 30°C Up to 90% Humidity
Maximum Elevation	3000 m
Environment	Indoor rated
Ingress Rating	IP (Battery & Power Electronics)
Noise Level @ 1m	< 30 dBA at 30°C

Proclaim your Energy
Freedom and procure an
advanced Affordable Energy
Storage System



Find out how you can take charge of your energy!

We are always available to answer all your enquiries.

info@NurPower.net

www.NurPower.net

FOLLOW US



NurPower Pty Ltd HQ
75 Ashley Street
Melbourne, Vic 3019
Australia

NurPower Pty Ltd Operations
EAST AFRICA – Kenya, Uganda, Tz, So, Su
Southern Africa: Zambia and Zimbabwe