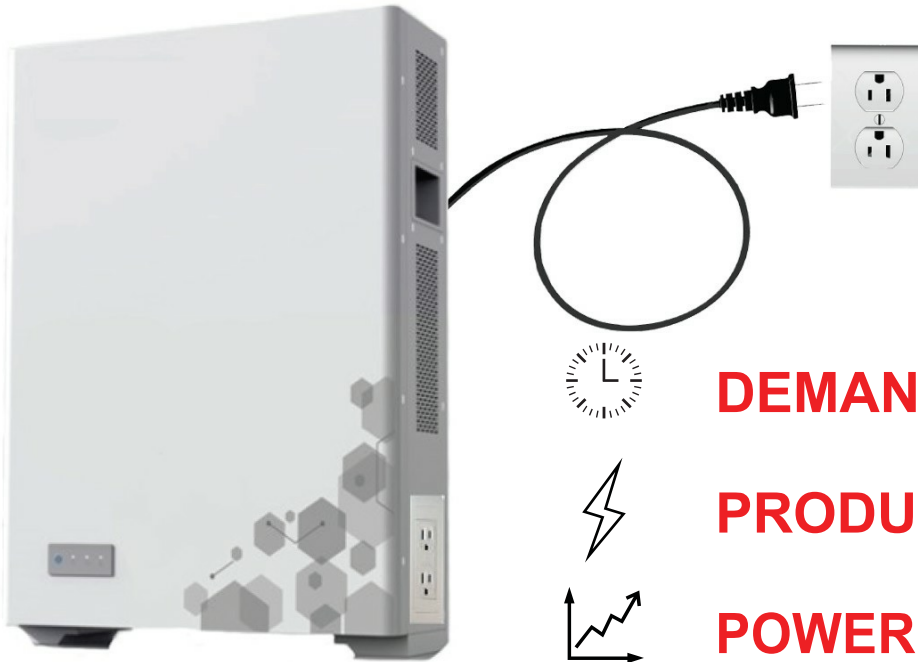




MPS Multi Power System 2.5Kw Inverter + 4kWh Battery



DEMAND CHARGE

PRODUCTION FORECAST

POWER PRICE FORECAST

NRG's plug in play has been specifically designed due to customer demand. An all in one approach that has multiple functions to bring renewable energy to your apartment, unit or existing solar building.

The main advantages are:

- Australian patented technology
- VPP embedded software
- All in one design DC inverter + Battery + software
- Plug and Play approach – No hardwiring required
- Multifunction Platform – Generator, Wind, 12v, Solar
- On/Off Grid capabilities
- UPS 4kWh Lithium Battery
- 5 year warranty with local support

Technical Specification:

NRG-2500SPV

AC Output

Max output power (60 seconds)/(Continuous)	3000W/2500W
Max total output power (AC+inverter)	3000W+2500W
Nominal output voltage (off grid)	230V
Total THD	<3%
Load regulation	<2%
Frequency (off grid)	50Hz +/-0.01Hz
Output power factor	0.8leading - 0.8lagging
Max efficiency (battery to AC output)	96%
Max efficiency (PV to AC output)	98.50%

AC Input

Nominal input voltage	230V +/-15%
Nominal line frequency	50Hz +/-10%
Max AC power (bypass mode)	3000W
Switching time (grid/battery)	<20ms
Generator input power	3000W

DC Input

Max MPPT input power	3500W
MPPT input channels	1
MPPT input voltage range	60V-500V

Battery Pack

Battery capacity	4kWh
Nominal battery voltage	51.2V
Max battery voltage	57V
Min battery voltage	43V
Max charge current	30A
Max discharge current	70A

Protection Functions

Full Protection Functions

General

Internal on/off grid switch	yes
Operating temperature range	-25C to +50C
Display/indicators	yes
Cooling	Convection
Inbedded Software Package (Optional)	VPP amd Peak Shaving
Warranty	10 years
Weight	32Kgs
Communication	Modbus RS485, Wi-Fi

Standards

Safety	IEC-62040-1, AS62040-1, IEC62109-1
EMC	EN61000.6.3:207



NEXTGEN NRG