



LUXPOWER 5KVA 5.5KWH COMPACT POWER STATION



The Luxpower 5kVa 5.5kWh Compact Power Station is a conveniently integrated Back-Up Power system that is pre-assembled with all the essential components.

This all-in-one solution features a Luxpower SNA 5kW inverter equipped with a 4000W MPPT Solar Controller, pre-connected Hubble AM-2 5.5kWh Lithium Battery, and a Battery Management System (BMS). It also includes an AC Mini Ready Board, DC Disconnect Switch and necessary fuses, ensuring full compliance with installation regulations.

This system is designed as a user-friendly Plug & Play System or it can easily be connected to your existing DB Board if needed.

City of Cape Town Approved, the Luxpower 5kVa 5.5kWh Compact Power Station is an excellent choice for residential or small business applications seeking a reliable Solar-Ready Back-Up Power Solution. This system stores energy efficiently, monitors the grid status, and seamlessly provides power to your home or business in the event of a grid power interruption.

Key Features:



Plug & Play System

Pre-assembled and ready to use
Mobile Lithium Power Station no
installation required



Lithium Battery

High battery cycle life and expandable
battery capacity



Solar Ready

Easily add solar panels to
re-charge battery with solar



Uninterrupted Power Supply

No stop power for essential appliances
and electronics during power outages



Complete and Compliant

Easily and safely connect to your DB
Board. Certificate of Compliance Ready



Versatile Solution

Suitable for a wide range of settings
personal & professional.

What's included:



**Luxpower SNA 5000
Inverter - 5kW**



**Hubble AM-2 5.5kWh
Lithium Battery**



**Steel Cabinet with
castor wheels**



AC Mini Ready Board



DC Disconnect Switch



2X 100Ah Fuses



Cables

Technical Specifications:

		Luxpower 5kVa 5.5kWh CPS
LUXPOWER SNA 5KW OUTPUT	Transfer Time [ms]	<15ms
	Waveform	Pure Sine Wave
	Power Output [W]	5000
	Rated output Voltage [V]	230
	Surge Power [W]	10 000
HUBBLE AM-2 LITHIUM-ION BATTERY	Nominal Voltage [V]	48
	Rated Capacity [5hR]	116 Ah
	Design Capacity [kWh]	5.5
	Max continuous charging / discharging current [A]	105A
	Battery C Rating	1.0 C
	Cells	New Li-Ion Prismatic Cells
	Cycle Life	± 6000 cycles at 50% DoD / 3000+ cycles at 100% DoD
	Maintenance	Fully charge battery every 6 months if system is not in use
INVERTER SOLAR CHARGER	Max. PV Array Power [W]	4000
	Rated PV Input Voltage [V]	320
	Number of independence MPPT inputs	2
	PV Input Voltage Range [V]	100 - 480
	MPPT Voltage Range [V]	120 - 385
	Start up Voltage [V]	100
Unit Total Measurments	Dimensions (W x H x D) mm	555 x 720 x 580
	Total Weights [kg]	± 100kg

Warranty: 10 Year / 3000 Cycle warranty on the Hubble AM-2 Lithium Battery. 2 Year warranty on the Luxpower SNA 5kW Inverter

Energy Independence (Pty) Ltd

Sales & Enquiries:

sales@powerprovider.co.za

072 690 2734

www.powerprovider.co.za

Technical Support:

support@powerprovider.co.za

076 314 2908

81A Schooner Avenue, Honeydew, Roodepoort , 1709