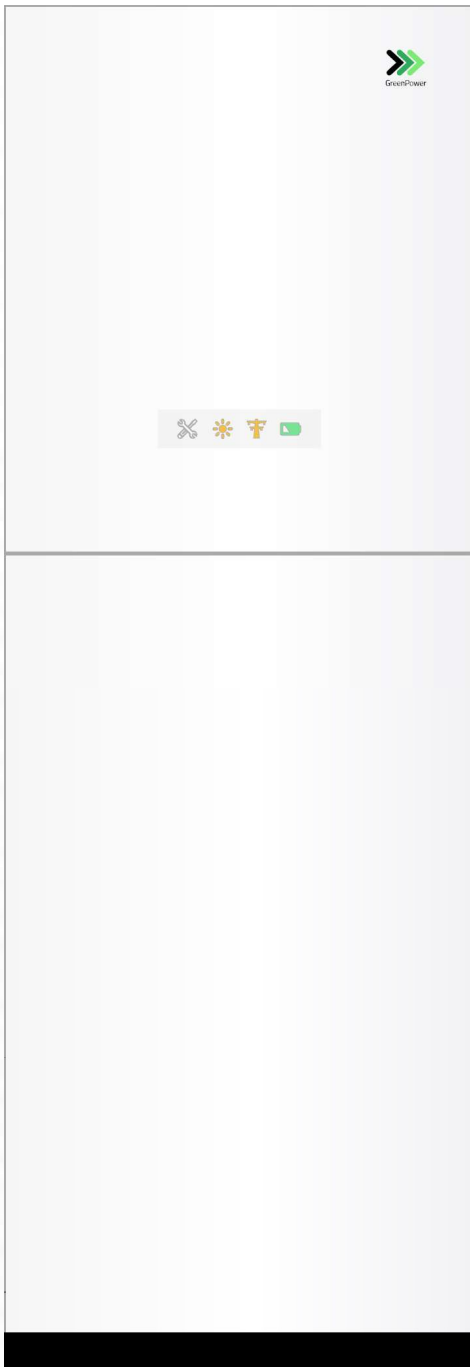




Tesseract 5K14

Integrated Battery storage System



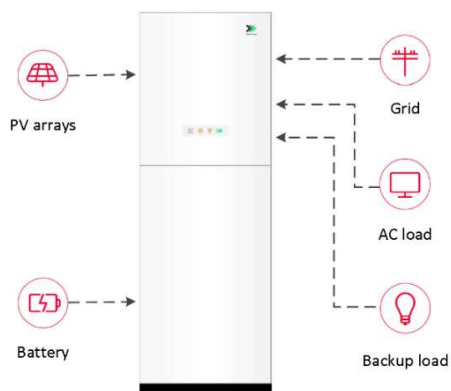
The GreenPower Tesseract 5K14 is a highly integrated, all-in-one residential hybrid solar and battery storage system, developed by GreenPower Investment Pty Ltd in partner with OliPower China and supported by CATL, the largest lithium battery manufacturer in the world.

The entire unit contains two compartments: the 5KW hybrid inverter unit on the top, and the battery unit at the bottom. Four CATL high-performance and long-life LFP battery modules are installed inside the battery unit to provide 14KWh long-lasting and safe energy to the homes.

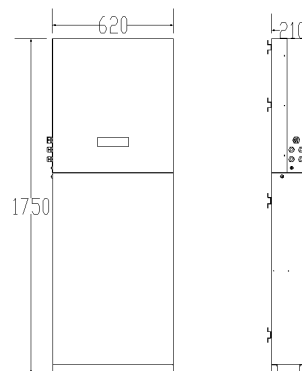
The Tesseract 5K14 equips the EMS and 4G communication unit which is VPP ready. It can provide a real-time monitoring for both energy production and consumption. It also equips the EPS (Emergency Power Supply) system which can provide solar and battery power when grid blackouts.

Technical Data

Energy Flow



Dimensions



Specifications

DC Input

Max. PV Input Power	5000W
Max. PV Input Voltage	580V
Startup Voltage	75V
MPPT Voltage Range	100–550V
Max. Input Current	15A
No. of MPPT	2

AC Input and Output

Nominal AC Output Power	5000W
Max. AC Output Apparent Power	4600VA
Max. AC Output Current	21.7A
Nominal Off-grid Power	2300W
Nominal Output Voltage	230V
Nominal Output Frequency	50/60Hz
Output Power Factor	0.8 leading – 0.8 lagging
Output THDi (at Nominal output)	<3%

Communication Interface

Communication	4G/Wi-Fi/Ethernet
Remote access	App/Website

Warranty

Inverter	10 Years
Battery	10 Years Or 10,000 Cycles

Battery

Nominal Battery Voltage	51.2V
Battery Capacity	13.88KWh
No. of Battery Modules	4
Module Capacity	3.5KWh
Cell Type	LFP
Cell Vendor	CATL
Cooling	Forced fan cooling
Protection	BMS inside

Mechanical

Dimensions (W×H×D)	620×1750×210 mm
Battery Module Weight	25kg
Total Weight	150kg

Environmental

IP Code	IP54
Operating Temperature	-25~45°C

Certification & Standard

Grid Regulation	AS 4777.2
Safety Regulation	IEC 62109-1&2 AS 62040-1
Battery Regulation	AS IEC 62619
EMC	AS/NZS 61000.6.3 AS/NZS 61000.6.4

7000 cycles or
10 years