

# ALL-IN-ONE ENERGY STORAGE SYSTEM GZ-Hyper-5000(A)



The Grid Zero hybrid inverter and batteries helps you reduce your electricity bills while maximising energy independence from the Eskom power grid. It is packed with benefits such as greater energy harvesting from PV Solar panels and its compact design saves you space, while its slim appearance fits your houses' aesthetics. In addition, plug and play and free online monitoring enables a faster installation, and quicker site mapping to the monitoring platform, as well as easier maintenance with minimised effort. No more loadshedding worries with the All-In-One Hybrid Inverter.

## Features

- Natural cooling
- Extremely quiet
- Flexible and easy to expand
- Smart and easy operation
- Intelligent charging and active balance
- Solar Ready

### → Easy & Fast Installation

Plug and play connection saves 40% installation time.

### → Compact & Elegant Design

Unique arc design, support All-in-one or split application

### → Maximized Self-consumption

Less energy using from grid, more from solar power

### → Flexible Storage Capacity

Large energy storage capacity up to 25 kWh

### → Smart EV Charger Protection

Over Voltage/Over Temperature/Overload/Overall Full Protection

### → Easy Local & Remote Control

Remote diagnosis & upgrade minimize the effort of time-consuming manual maintenance



# Specifications

Inverter Model	Hyper-5000(A)
<b>AC Output@ Grid</b>	
AC Input Voltage/Frequency	186 ~ 290Vac/50 or 60Hz
Nominal AC Power	5000W
Nominal AC Current	21.7A
THD of AC Current	<3%
<b>EPS Output @ Off Grid</b>	
EPS Output Voltage/Frequency	220Vac/50 or 60Hz, Single Phase
Continuous Output Power (@25C )	5kVA
EPS Output Current	21.7A
Peak Power	1.1 x Pnom,60 Sec; 1.5 x Pnom,100ms
Power Factor	~1 (Adjustable from 0.8 Leading to 0.8 Lagging)
Waveform	Pure Sinusoidal Wave
THD of AC Voltage	<3% with Resistive Load
<b>Solar Input</b>	
Max. PV Voltage	600V
MPPT Voltage Range	125~550V
Max. PV Current	14/14A
Max. Short Circuit Current	17.5/17.5A
Strings Per MPP Tracker	1
No. of MPP Trackers	2
<b>Battery Input</b>	
Battery Type	Lithium Battery
Battery Voltage	40~60V
Galvanic Isolation for Battery	Yes
Max Charge Current	100A
BMS Communication	CAN
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature
<b>Efficiency</b>	
Euro Efficiency	97.4%
Max. Efficiency	97.8%
<b>Battery Model</b>	<b>BLF51-5</b>
Cell Type	LFP
Nominal Energy	5kWh
Max. Depth of Discharge	90%
Nominal Voltage	51.2V
Operating Voltage Range	40-58.4V
Nominal Capacity	100Ah
Max. Charge Current	50A
Max. Discharge Current	100A
Scalability	Up to 5 modules/25kWh