



# ALL-IN-ONE ENERGY STORAGE SYSTEM

All-in-one ESS combines a hybrid inverter and low-voltage batteries to help you reduce your electricity bills while maximize energy independence from the grid. It is packed with benefits such as greater energy harvest from PV modules, compact design saving your space, and its slim appearance fits your house aesthetics. In addition, plug&play and free online monitoring enable faster installations, quicker site mapping to the monitoring platform and easier maintenance with minimized efforts.

## FEATURES

- ▨ Natural cooling, extremely quiet
- ▨ Scalable modular design
- ▨ Smart and easy operation
- ▨ Intelligent charging and active balance

## COMPATIBLE PRODUCTS



Residential Lithium Battery



Smart EV Charger



Wi-Fi Dongle



Smart Meter



Monitoring System

# SPECIFICATIONS

Inverter Model	Hyper-5000	
PV Input	Max. PV Input Power	7500Wp
	Max. PV Input Voltage	600V
	MPPT Voltage Range	125-550V
	Max. PV Current	14/14A
	Max. Short Circuit Current	17.5/17.5A
	No. of MPPTs/String per MPPT	2/1
AC Output @ Grid	AC Input Voltage Range/Frequency	186-290Vac/ 50Hz or 60Hz
	Nominal AC Power	5000W
	Nominal AC Current	21.7A
	THDi, Rated Power (%)	<3%
EPS Output @ Off Grid	EPS Output Voltage / Frequency	220Vac / 50Hz or 60Hz
	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)
	Wave Form	Pure Sinusoidal Wave
	THDv, Rated Power (%)	<3%
Battery Input	Battery Type	Lithium Battery
	Battery Voltage	40-60V
	Galvanic Isolation for Battery	Yes
	Max. Charge Current of Inverter	100A
	Max. Discharge Current of Inverter	100A
	BMS Communication	CAN
	Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature
Efficiency	Max. Efficiency	97.8%
	Euro Efficiency	97.4%
Battery Model	BLF51-5	
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	
General Data		
Dimensions	415 (W) x 1380 (H) x 165 (D) mm	
Weight	87KG	