

All-in-one Energy Storage System

Hyper-3000(A)/Hyper-3680(A)/Hyper-5000(A)

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

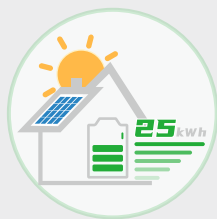


Features

- Natural cooling, extremely quiet
- Smart and easy operation
- Flexible and easy to expansion
- Intelligent charging and active balance



Elegant Modular and Unified Design



Flexible Storage Capacity up to 25 kWh



Export Control and Time-of-use Shifting



Maximized Self-consumption

Compatible Products



Energy Storage Battery



Smart EV Charger



PSD200-FI Dongle



Smart Meter



Monitoring System

Specifications

Inverter Model	Hyper-3000(A)	Hyper-3680(A)	Hyper-5000(A)
AC Output @ Grid			
AC Input Voltage/Frequency	186 ~ 290Vac/50 or 60Hz		
Nominal AC Power	3000W	3680W	5000W
Nominal AC Current	13.0A	16.0A	21.7A
THD of AC Current	<3%		
EPS Output @ Off Grid			
EPS Output Voltage/Frequency	220Vac/50 or 60Hz, Single Phase		
Continuous Output Power (@25C)	3kVA	3.68kVA	5kVA
EPS Output Current	13.0A	16.0A	21.7A
Peak Power	1.1 x Pnom, 10 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		
Solar Input			
Max. PV Voltage	600V		
MPPT Voltage Range	125~550V		
Max. PV Current	14A	14/14A	14/14A
Max. Short Circuit Current	17.5A	17.5/17.5A	17.5/17.5A
Strings Per MPP Tracker	1	1	1
No. of MPP Trackers	1	2	2
Battery Input			
Battery Type	Lithium Battery		
Battery Voltage	40~60V		
Galvanic Isolation for Battery	Yes		
Max Charge Current	60A	80A	100A
BMS Communication	CAN		
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature		
Efficiency			
Euro Efficiency	97.1%	97.4%	
Max. Efficiency	97.6%	97.8%	
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		