



## All-in-one Energy Storage System

Hyper-3000(A)/3680(A)/4600(A)/5000(A)/6000(A)

The LIVOLTEK 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

- Flexible and easy to expand
- Natural cooling, extremely quiet
- 150% oversized, 150% yield
- Smart and easy operation
- Intelligent charging and active balance
- Fanless design, quiet and long lifespan



Elegant Modular and Unified Design



Flexible Storage Capacity up to 25 kWh



Export Control and Time-of-use Shifting



Maximized Self-consumption

### Compatible Products



Residential Lithium Battery



Smart EV Charger



Wi-Fi Dongle



Smart Meter



Monitoring System

# Specifications

Inverter Model	Hyper-3000	Hyper-3680	Hyper-4600	Hyper-5000	Hyper-6000
<b>PV Input</b>					
Max. PV Input Power	4500Wp	5520Wp	6900Wp	7500Wp	7500Wp
Max. PV Input Voltage	600V				
MPPT Voltage Range	125~550V				
Max. PV Current	14A	14/14A	14/14A	14/14A	14/14A
Max. Short Circuit Current	17.5A	17.5/17.5A	17.5/17.5A	17.5/17.5A	17.5/17.5A
No. of MPPTs/Strings per MPPT	1/1	2/1	2/1	2/1	2/1
<b>AC Output @ Grid</b>					
AC Input Voltage Range/Frequency	186~290Vac/50Hz or 60Hz				
Nominal AC Power	3000W	3680W	4600W	5000W	6000W
Nominal AC Current	13.0A	16.0A	20.0A	21.7A	26.1A
THDi, Rated Power[%]	<3%				
<b>EPS Output @ Off Grid</b>					
EPS Output Voltage/Frequency	220Vac/50Hz or 60Hz				
Continuous Output Power (@25C )	3kVA	3.68kVA	4.6kVA	5kVA	6kVA
EPS Output Current	13.0A	16.0A	20.0A	21.7A	26.1A
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				
THDv, Rated Power[%]	<3%				
<b>Battery Input</b>					
Battery Type	Lithium Battery				
Battery Voltage	40~60V				
Galvanic Isolation for Battery	Yes				
Max.Charge Current of Inverter	60A	80A	100A	100A	125A
Max.Discharge Current of Inverter	60A	80A	100A	100A	125A
BMS Communication	CAN				
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature				
<b>Efficiency</b>					
Max. Efficiency	97.6%	97.8%			
Euro Efficiency	97.1%	97.4%			
<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				
<b>General Data</b>					
Dimension (W*H*D)	415*1380*165mm				
Weight	85kg	86kg	87kg	87kg	87kg
Standard Warranty	5 Years				