



## LivoPower Hybrid Inverter



### Intelligent Energy Management

Built-in energy management prioritizes consumption of PV electricity (e.g. to charge the EV) when the sunshine is sufficient.



### Peak Load Shaving

With integrated batteries, solar energy is flexibly stored for later use during peak hours, which reduces demand charges and energy cost.



### Backup Power Supply

The inverter is designed with optimized algorithm and strong discharge capability. In the event of grid fails, the system can automatically switch and maintain continuous back-up power supply.



## Hybrid System

Combining hybrid inverter and low-voltage batteries, the Hyper Series flexibly store excess solar energy during sunny hours, which maximizes self-consumption of solar energy.

With back-up power, Hyper series serves essential loads or the entire house automatically and seamlessly when outage occurs.

## Features

- High efficiency, with improved MPPT function
- Intelligent charging & discharging function prevents battery from exhaustion of low SOC
- Auto-parallel connection for multistring battery system
- UPS function, with excellent load capability
- Plug and play
- Online real time monitoring of system's operation conditions
- Remote access to the software of inverter and batteries for setting, updating and debugging

## Specifications

Model	Hyper-3000	Hyper-3680	Hyper-5000
<b>AC Output @ Grid</b>			
AC Input Voltage / Frequency	186 ~ 264Vac/ 50 or 60Hz		
Nominal AC Power	3000W	3680W	5000W
Nominal AC Current	13.0A	16.0A	21.7A
THD of AC Current	<3%		
<b>AC Output @ Off Grid</b>			
AC Output Voltage / Frequency	220Vac / 50 or 60Hz, Single Phase		
Continuous Output Power (@25C )	3kVA	3.68kVA	5kVA
AC Output Current	13.0A	16.0A	21.7A
Peak Power	1.1 x Pnom, 10 sec; 1.5 x Pnom, 100ms		
Power Factor	0.8 inductive to 0.8 capacitive		
Waveform	Pure Sinusoidal Wave		
THD of AC Voltage	<3% with Resistive Load		
<b>Solar Input</b>			
Max. PV Voltage	550V		
MPPT Voltage Range	125-500V		
Max. PV Current	12A	10/10A	10/10A
Max. Short Circuit Current	15A	14/14A	14/14A
Strings per MPP Tracker	1	1	1
Number of MPP Trackers	1	2	2
<b>Battery Input</b>			
Battery Type	Lithium Battery		
Battery Voltage	40~60V		
Galvanic Isolation for Battery	YES		
Max Charge Current	60A	60A	100A
BMS Communication	CAN/RS485		
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature		
<b>Efficiency</b>			
MPPT Efficiency	99.90%		
Euro Efficiency	96.50%		
Max. Efficiency	97.80%		
Battery Charge/Discharge Efficiency	95%		
<b>General Data</b>			
Dimensions(W*H*D)	415*560*145 mm	415*675*145 mm	
Weight	28kg	33kg	35kg
Mounting Information	Wall-mounted		
Operating Temperature	-20 C to +60 C (up 45 C derating)		
Relative Humidity	95%, no condensation		
Operation Altitude	< 2000m		
Ingress Protection	IP 65		
Cooling Concept	Natural Cooling		

**Note:** Further modifications may not be notified.