



LivoPower Hybrid Inverter



Home Energy Management Center & Cluster Control

Link your home or workplace together with our Smart Energy O&M system to charge your electric vehicles directly from the power of the sun, maximizing solar usage and further reducing electricity bills.



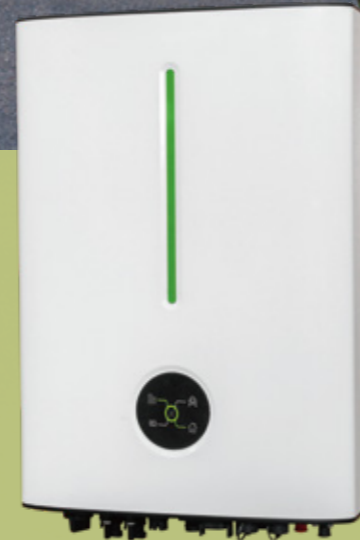
Time of Use (Tou)

By setting the charging and discharging time, the batteries can be charged using utility power at off-peak rates and discharged to power loads during peak hours.



Backup Power Supply

The inverter is designed with optimized algorithm and strong discharge capability. In the event of grid failure, the solar system may automatically switch load to battery 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 battery, Hyper series serves essential loads or the entire house automatically and seamlessly when outage occurs.

Features

- UPS function
- Export control function
- Intelligent and efficiency
- Multiple protection functions
- Easy setting of smart working modes
- Plug & Play
- IP65 protection class
- Fanless and noiseless
- Die-cast aluminum case
- Remote monitoring and maintenance

Specifications

Model	Hyper-3000	Hyper-3680	Hyper-5000
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	220/230Vac/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/RS485		
Protection	Over Voltage, Under Voltage, Over Current, Short Circuit, Over Temperature		
Efficiency			
MPPT Efficiency	99.90%		
Euro Efficiency	97%		
Max. Efficiency	97.80%		
Battery Charge/Discharge Efficiency	94.6%		
General Data			
Dimensions (W*H*D)	415*625*155mm		
Weight	28KG	28.5KG	29KG
Mounting Information	Wall-mounted		
Operating Temperature	-25~+60°C (>45°C Derating)		
Relative Humidity	0~100%,No Condensation		
Operation Altitude	<2000m		
Ingress Protection	IP65		
Cooling Concept	Natural Cooling		

Note: Further modifications may not be notified.



EverPower LV Battery System



Safe to Use

- Low voltage system with LFP batteries
- High level protection ensure indoor/outdoor use



Modular Expansion

- Modular design makes it easy to install and commission
- Flexible and parallel expansion to meet increasing storage requirement



Reliable Performance

- High efficiency and 90% DoD ensure higher PV self-consumption
- Long cycle life



Flexible Integration

- Compatible with third party storage inverter



LV Battery System

The BLF51 series is ideal for new installation of home energy storage and retrofit of existing PV system.

With high energy density, BLF51 is space-saving for indoor or outdoor installation. To serve evolving load requirement, flexible expansion can fit your energy demand of today and tomorrow.

System Diagram—Residential



Specifications

Battery Model	BLF51-5
Electrical Data	
Cell Type	LFP
Total Energy	5kWh
Max. Depth of Discharge	90%
Recommended Depth of Discharge	80%
Nominal Voltage	51.2V
Operating Voltage Range	40-58.4V
Nominal Capacity	100Ah
Max. Charge Current	50A
Max. Discharge Current	100A
Max. Parallel Number	5 Units
General Data	
Mounting Information	Wall-mounted; Ground-mounted
Communication	CAN/RS485
Operating Temperature	0~45℃ Charge/-10~50℃ Discharge
Dimension (W*H*D)	415*665*165mm
Weight	45KG
Ingress Protection	IP21

Remarks: Specifications are subject to change without advance notice.



Livoltek All-in-one Energy Storage System



Ready-to-use

As one package combining inverter, battery and accessories, it enables operation after the plug-in of connectors.



Compact & Aesthetic

Compact design saves your space, while slim appearance fits your home's aesthetics.



Modular

The battery system is modular and can be expanded to exactly meet your energy storage demand of future.



Energy Storage System

LIVOLTEK hybrid inverter is committed to providing you with a green and intelligent one-stop energy storage solution, which realizes the independent management of photovoltaic power generation, lithium battery storage, smart electricity use, reliable grid connection etc. The compact design saves your use space, while slim appearance fits your home's aesthetics. IP65 protection level and plug and play installation method are suitable for indoor and outdoor installation requirements in various scenes. The scalability of the battery modular system can be expanded to exactly you're your energy storage demand of future.

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Nominal Capacity	100Ah		
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