



Hybrid Inverter

Hyper-3000/Hyper-3680/Hyper-4600/Hyper-5000

For new photovoltaic systems, the LIVOLTEK hybrid solution is a wise choice to improve your energy storage and utilization. Featuring a compact design, robust safety features, and superior performance, the LIVOLTEK hybrid bi-directional inverter can be perfectly adapted to residential and small businesses' self-consumption with battery storage. Its integrated backup power function and automatic activation in the event of power failure enable you to enjoy energy independence and maximize your solar investment through the export power limit feature and time of use shifts for reduced electricity bills. Additionally, its modular scalable offers the flexibility to start small and expandable as your needs grow.



Features

- 24/7 local and remote monitoring
- 100A charging & discharging capacity
- Fan less design, quiet and long lifespan
- 150% oversized, 150% yield
- All-in-one & split application optional
- Power non-critical loads & critical loads



Flexible Setting
for Charge



Export
Control Function



Compatible with
Lead-acid & Lithium Battery



Compatible with
High-current PV Modules

Compatible Products



Energy Storage Battery



Smart EV Charger



PSD200-FI Dongle



Smart Meter



Monitoring System

Specifications

Model	Hyper-3000	Hyper-3680	Hyper-4600	Hyper-5000
Max. PV Input Power	4500Wp	5520Wp	6900Wp	7500Wp
Max. PV Input Voltage	600V			
Nominal DC Input Voltage	360V			
MPPT Voltage Range	125~550V			
No. of MPPTs/Strings per MPPT	1 / 1	2 / 1	2 / 1	2 / 1
Max. Input Current	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
AC Output @ Grid				
Nominal AC Power	3000W	3680W	4600W	5000W
Max. Apparent Output Power	3300VA	3680VA	4600VA	5500VA
Nominal AC Voltage	240V split-phase; 208V & 240V single phase			
Nominal AC Voltage Range	186~290V			
AC Frequency	50Hz/60Hz ±5			
Max. AC Current	13.0A	16.0A	20.0A	21.7A
THDi, Rated Power	<3%			
Power Factor	~1 (Adjustable from 0.8 Leading to 0.8 Lagging)			
EPS Output @ Off Grid				
Nominal EPS Power	3000W	3680W	4600W	5000W
EPS Peak Power	1.1 x Pnom, 10 sec; 1.5 x Pnom, 1 sec			
Nominal Output Voltage	220V/230V			
Nominal Frequency	50Hz/60Hz			
Nominal Output Current	13.0A	16.0A	20.0A	21.7A
THDv(@Linear Load)	< 3%			
Battery Data				
Battery Type	Lead-acid/Lithium			
Nominal Battery Voltage	48V			
Max.Charge/Discharge Current	60A	80A	100A	100A
Communication with BMS	CAN			
Efficiency				
Max. Efficiency	97.6%	97.8%		
Euro Efficiency	97.1%	97.4%		
General Data				
Dimension (W*H*D)	415*625*155mm			
Weight	29KG	30KG	30KG	30KG
Mounting Method	Wall-mounting Bracket			
Protection Rating	IP65			
Cooling	Natural Convection			
Operating Temperature Range	-25 °C ~+60 °C (>45 °C Derating)			
Max. Operating Altitude	2000m			
Noise	<25dB			
Relative Humidity	0~100%,No Condensation			
Display	LED & APP			
Communication	RS485 for Parallel/EV Charger, CAN for BMS,USB for Wi-Fi, CT			

Remarks: The range of output Voltage and frequency may vary depending upon different grid codes.