



Hybrid Inverter

Single Phase: Hyper-3000/Hyper-3680/Hyper-4600/Hyper-5000/Hyper-6000

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 control feature and time of use shifts for reducing electricity bills. Additionally, its modular scalable design offers the flexibility to start from small be size and expandable as your needs grow.



Features

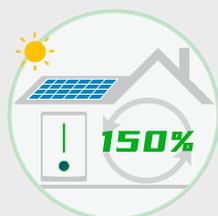
- 24/7 local and remote monitoring
- High charging & discharging capacity
- Fanless design, quiet and long lifespan
- 150% oversized, 150% yield
- All-in-one & split application optional
- Power critical loads during power cuts



Flexible Setting for Charge



Export Control Function



150%Oversized, 150%Yield



Compatible with High-current PV Modules

Compatible Products



Residential Lithium Battery



Smart EV Charger



Wi-Fi Dongle



Smart Meter



Monitoring System

Specifications

| Model | Hyper-3000 | Hyper-3680 | Hyper-4600 | Hyper-5000 | Hyper-6000 |
|-------------------------------|---|------------|------------|------------|------------|
| PV Input | | | | | |
| Max. PV Input Power | 4500Wp | 5520Wp | 6900Wp | 7500Wp | 7500Wp |
| Max. PV Input Voltage | 600V | | | | |
| Nominal Input Voltage | 360V | | | | |
| MPPT Voltage Range | 125~550V | | | | |
| No. of MPPTs/Strings per MPPT | 1 / 1 | 2 / 1 | 2 / 1 | 2 / 1 | 2 / 1 |
| 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 |
| AC Output @ Grid | | | | | |
| Nominal AC Power | 3000W | 3680W | 4600W | 5000W | 6000W |
| Max. Apparent Output Power | 3000VA | 3680VA | 4600VA | 5000VA | 6000VA |
| Nominal AC Voltage | 220V/230V/240V | | | | |
| Nominal AC Voltage Range | 186~290V | | | | |
| AC Frequency | 50Hz/60Hz | | | | |
| Max. AC Current | 14.0A | 16.0A | 20.0A | 23.9A | 26.1A |
| 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 | 6000W |
| EPS Peak Power | 1.1 x Pnom, 60 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 | 26.1A |
| THDv, Rated Power[%] | < 3% | | | | |
| Battery Input | | | | | |
| Battery Type | Lithium | | | | |
| Battery Voltage | 40~60V | | | | |
| Max. Charge/Discharge Current | 60A | 80A | 100A | 100A | 125A |
| 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 | 30kg |
| Mounting Method | Wall-mounting Bracket | | | | |
| Protection Rating | IP65 | | | | |
| Cooling | Natural Convection | | | | |
| Operating Temperature Range | -25 C ~+60 C (>45 C Derating) | | | | |
| Display | LED & APP | | | | |
| Communication | Wi-Fi/DRM/CAN/RS485 | | | | |
| Standard Warranty | 5 Years | | | | |

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