

▶ Three-phase Hybrid Inverter

▶ Features & Advantages

- Support Time-of-use Optimization
- Configurable Operation Modes
- AFCI (Optional) & Rapid Shutdown Ready
- Build-in Anti-feed-in Function
- 100% unbalanced output, each phase;
200% unbalanced output, each phase (Below 10kW)
- Smart Monitoring & Remote Firmware Upgrade



▶ Technical Specifications

PV Input	PowerLink-8KH3/A	PowerLink-10KH3/A	PowerLink-12KH3/A	PowerLink-15KH3/A
Max. DC Input Power	12kW	15kW	18kW	22.5kW
Max. PV Voltage	1000V			
Rated DC Input Voltage	620V			
DC Input Voltage Range	150-1000V			
MPPT Voltage Range	150-850V			
Full MPPT Range	300-850V	200-850V	500-850V	500-850V
Start-up Voltage	160V			
Max. DC Input Current	20x2A			
Max. Short Current	30x2A			
No. of MPPT Tracker / Strings	2/2			
Battery Port				
Battery Nominal Voltage	200V	250V	450V	500V
Battery Voltage Range	80-600V	120-650V	150-800V	150-800V
Max. Charge/Discharge Current	50A			
Max. Charge/Discharge Power	8KW	10KW	12KW	15KW
Charging Curve	3 Stages			
Compatible Battery Type	Li-ion battery			
AC Grid				
Nominal AC Output Power	8kW	10kW	12kW	15kW
Max. AC Input/Output Power	12/8.8kVA	15/11kVA	18/13.2kVA	22.5/16.5kVA
Max. AC Output Current	13.5A	17A	21.5A	27A
Nominal AC Voltage	230/400V			
Nominal AC Frequency	50/60Hz			
Power Factor	1 (-0.8-0.8)			
Current THD	<3%			
AC Load Output (Back-up)				
Nominal Output Power	8000VA	10000VA	12000VA	15000VA
Nominal Output Voltage	230/400V			
Nominal Output Frequency	50/60Hz			
Nominal Output Current	11.6 A	14.5A	17.4A	21.8A
Peak Output Power	8800VA, 60s	11000VA, 60s	13200VA, 60s	16500VA, 60s
THDV (with linear load)	<3%			
Switching Time	<10ms			
Efficiency				
Europe Efficiency	97.50%			
Max. Efficiency	98.20%	98.20%	98.30%	98.30%
Battery Charge/Discharge Efficiency	98.00%			
Protection				
Reverse Polarity Protection	Yes			
Over Current / Voltage Protection	Yes			
Anti-islanding Protection	Yes			
AC Short-circuit Protection	Yes			
Leakage Current Detection	Yes			
Ground Fault Monitoring	Yes			
Grid Monitoring	Yes			
Enclosure Protect Level	IP65			
General Data				
Dimensions	558 x 535 x 260 mm		370 x 497 x 192 mm	
Weight	29kg		20.8kg	
Topology	Transformerless			
Cooling Concept	IntelligentFan			
Relatively Humidity	0-100%			
Operating Temperature Range	-25 to 60°C			
Operating Altitude	<4000m			
Noise Emission	<30dB			
Standby Consumption	<5W			
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G			
Certification & Approvals	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2			
EMC	EN61000-6-2, EN61000-6-3			