



HF-HL3K~8K-P1EU

Single Phase Hybrid Inverter

Residential Use

IP 65

10-Year Warranty



Easy to install



A variety of intelligent working modes



Remote monitoring via APP or Web



Support BMS communication

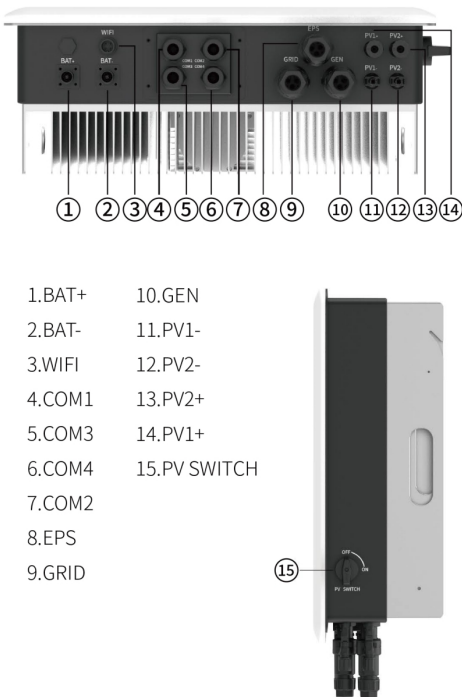


IP65, fanless design, long lifespan

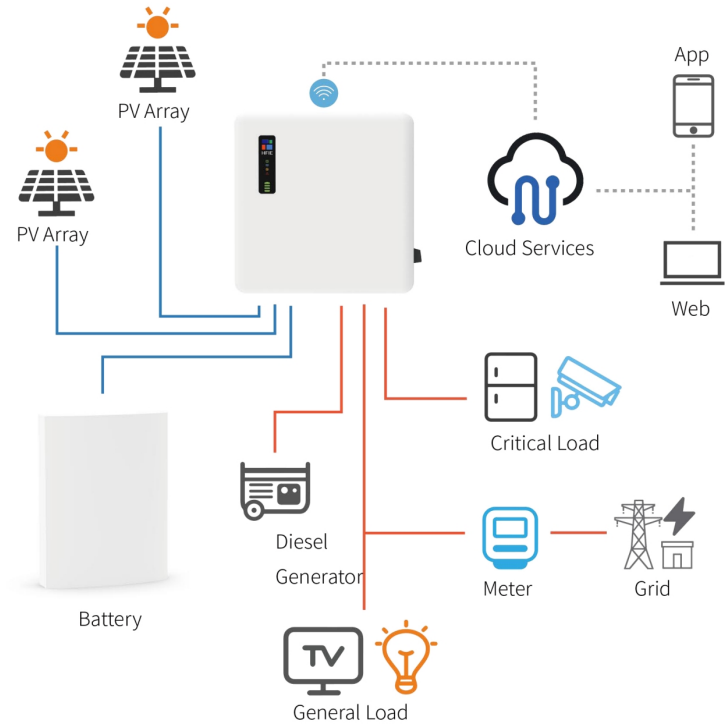


With UPS function, switch time < 10ms

Port Description



Product Application Diagram



TECHNICAL SPECIFICATION								
Model	HF-HL3K-P1EU	HF-HL3K6-P1EU	HF-HL4K-P1EU	HF-HL4K6-P1EU	HF-HL5K-P1EU	HF-HL6K-P1EU	HF-HL7K-P1EU	HF-HL8K-P1EU
INVERTER INPUT / OUTPUT (GRID)								
Rated Power	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW	7 kW	8 kW
Voltage (Nominal or Range)	230 V a.c. / 176 V a.c.~270 V a.c., L+N+PE							
Frequency (Nominal or Range)	50 / 60 Hz							
Power Factor Range	0.8 leading ~ 0.8 lagging							
Wave Form	Pure Sine Wave							
Switch Time	<10 ms							
Current (Maximum Continuous)	13 A a.c.	15.6 A a.c.	17.4 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.	30.4 A a.c.	34.7 A a.c.
Max. Output Overcurrent Protection	250 V a.c. / 63 A a.c.							
BATTERY								
Battery Type	Lithium / Lead-acid							
Battery Voltage Range	45~58 V							
Nominal Battery Voltage	51.2 V							
Max. Charge Current	60 A d.c.	70 A d.c.	80 A d.c.	90 A d.c.	100 A d.c.	110 A d.c.	120 A d.c.	150 A d.c.
Max. Discharge Current	60 A d.c.	70 A d.c.	80 A d.c.	90 A d.c.	100 A d.c.	110 A d.c.	120 A d.c.	150 A d.c.
Reverse Connect Protection	Yes							
PV INPUT								
No. of MPPT Tracker/Strings	2/1+1							
Max. PV Array Power	4.5 kW	5.4 kW	6 kW	6.9 kW	7.5 kW	9 kW	9 kW	9 kW
Max. DC Voltage	550 V d.c.							
MPPT Voltage Range	120 ~500 V d.c.							
Start-up Voltage	120 V d.c.							
Max. Input Current	16 /16 A d.c.							
Isc PV (Absolute Maximum)	24 /24 A d.c.							
AC OUTPUT (EPS)								
EPS Rated Output Voltage	230 V a.c.							
EPS Rated Output Frequency	50/ 60 Hz							
EPS Rated Output Active Power	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW	7 kW	8 kW
EPS Rated Output Apparent Power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA	7 kVA	8 kVA
EPS Rated Output Current	13 A a.c.	15.6 A a.c.	17.4 A a.c.	20 A a.c.	21.7 A a.c.	26.1 A a.c.	30.4 A a.c.	34.7 A a.c.
EPS Output Power Factor	0.8 leading ~ 0.8 lagging							
Overload Capacity	110% 30 s / 120% 10 s / 150% 0.02 s							
EPS Output Inrush Current	96 A a.c. @ 3 μ s							
EPS Max. Output Fault Current	96 A a.c. @ 3 μ s							
EFFICIENCY								
MPPT Efficiency	99.90%							
Euro-efficiency	97.00%							
Max. Efficiency	97.80%							
PROTECTION & FEATURE								
Insulation Monitoring	Yes							
Residual Current Monitoring	Yes							
Parallel Function	Yes							
Protection Degree	IP65							
certifications	CEI0-21, EN 50549-1, VDE-AR-N 4105, UNE 217002, NTSTYPEA, G99, AS/NZS 4777.2							
Other Protection	Overload, Over temperature, Shortcircuit protection, Active anti-islanding method							
GENERAL PARAMETER								
Storage Temperature	-25°C~+60°C							
Operating Temperature	-25°C ~ +60°C (Linely derating to 80% when exceed +45°C ~ +60°C)							
Humidity	0-100% (Non-condensing)							
Altitude	2000 m (>2000 m Derating)							
Noise	<35 dB							
Dimensions (L*W*H)	556*206*506 mm							
Shipping Dimensions (L*W*H)	650*375*592 mm							
Machine Weight/ N.W.	25.6 kg							
DISPLAY& COMMUNICATION								
Display	LED							
Interface	CAN/RS485/Bluetooth/WiFi/4G/DRM							