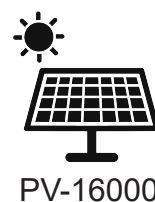
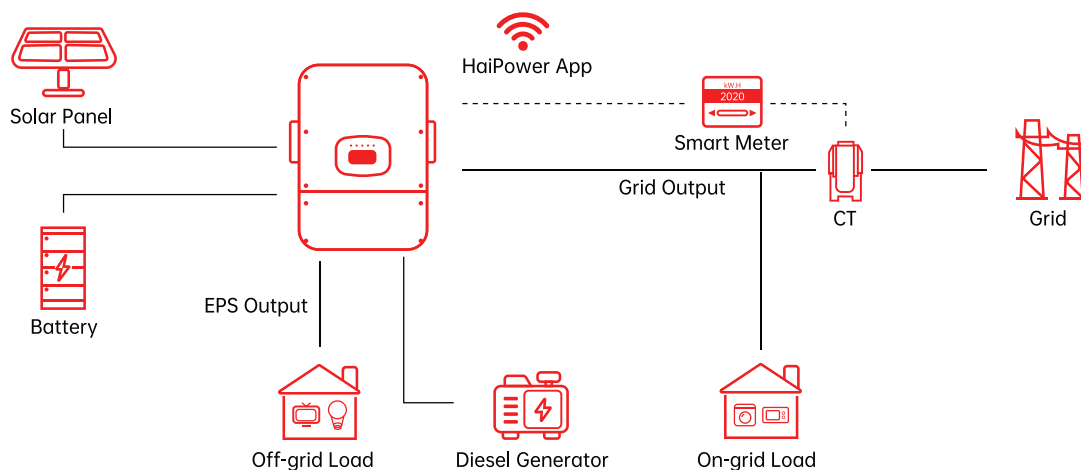


Single-Phase 8KW-IP66 -PV16000 HYBRID INVERTER

FEATURES:

-  **PV Oversizing**
Support up to 200% oversizing ratio
-  **Unbalanced Output**
Support 150% three-phase unbalanced output to improve flexibility of power distribution
-  **High-Power Density**
A compact size for flexible installation and reduced transportation cost
-  **Overload Capacity**
Peak power able to reach 2 times the rated power for 10s in off-grid mode
-  **Parallel Connection**
Support parallel connection up to 9 units
-  **Efficient Battery Charge / Discharge**
Max. battery charge/discharge current of up to 290A
-  **Touch Screen**
4.3" 800 x 480 interactive display without physical keys
-  **Flexible Connection**
 - GEN port for generator input
 - Dual AC outputs for smart load management
 - AC coupling function



SPECIFICATION:

Model: FXN-8KW-FLX8		DC Injection Current	<0.5%In
Recommended Max. PV Array Size (Wp)	16000	Switch time (ms) (Typ)	4
Max PV Input Power (W)	12000	Efficiency	
Max. Input Voltage (V)	500	Max. Efficiency	97.60%
Start up Voltage (V)	120	European Efficiency	96.50%
Rated Input Voltage (V)	370	MPPT Efficiency	>99.9%
MPPT Operating Voltage Range (V)	120~425	Protection	
MPPT Voltage Range (full load) (V)	150~500	PV Reverse Polarity Protection	yes
Max Input Current per MPPT (A)	27+27	Anti-Islanding Protection	yes
Max Short Circuit Current per MPPT (A)	44+44	Output Short Protection	yes
Number of MPPTs	2	Ground Fault Monitoring	yes
Number of Strings per MPPT	2+2	Insulation Resistance Monitoring	yes
Max Inverter Backfeed Current to The Array (A)	0	Over-current Protection	yes
Battery Data		Over-temperature Protection	yes
Battery Type	Lead-acid or Lithium-ion	AC / DC Surge Protection	TYPE II (DC), TYPE II (AC)
Rated Battery Voltage (V)	48	AFCI Protection	Optional
Battery Voltage Range (V)	40~60	DC Switch	yes
Max. Charge / Discharge Current (A)	190	Residual Current Monitoring	yes
Max. Charge / Discharge Power (W)	8000	Grid Monitoring	yes
Battery Communication	CAN / RS485	General Data	
Number of Battery Input	2 (in parallel)	Dimension (W*H*D) (mm)	420 x 680 x 252.5 (Excluding connectors)
AC Input / Output Data (Grid, Load & Generator)		Weight (kg)	36
Rated AC Input / Output Active Power(W)	8000	Relative Humidity	0~100%
Max. AC Input / Output Apparent Power	8800	Operating Temperature Range (°C)	-40 to +60, >45 Derating
Peak Apparent Power (off-grid)	2 times of rated power, 10s	Storage Temperature (°C)	-45 to +85
Rated AC Input / Output Current (A)	36.4 / 34.8 / 33.4	Noise Emission (dB)	<45
Max. AC Input/Output Current (A)	38.4	Altitude (m)	2000
Max. Continuous AC Passthrough	60	Cooling Method	Intelling Air Cooling
Max. Output Fault Current (A)	100	Ingress Protection	IP66
Max. Output Over Current Protection (A)	150	Over Voltage Category	OVC II(DC), OVC III(AC)
Rated Input / Output Voltage (V)	220 / 230 / 240	Topology	Non-Isolated
Input / Output Voltage Range (V)	0.85Un-1.1Un	Protective Class	I
Grid Connection Form	L+N+PE	Communication Interface	RS485 / CAN / Bluetooth / WIFI, LAN / 4G / GPRS (optional)
Rated Grid Freauency / Range (Hz)	50 / 45~55, 60 / 55~65	Display	LCD & APP
Power Factor	0.8 leading~0.8 lagging	PV Connector	MC4 compatible connector
THDi (nominal power)	<3%	Battery Connector	Connector

SCAN ME

