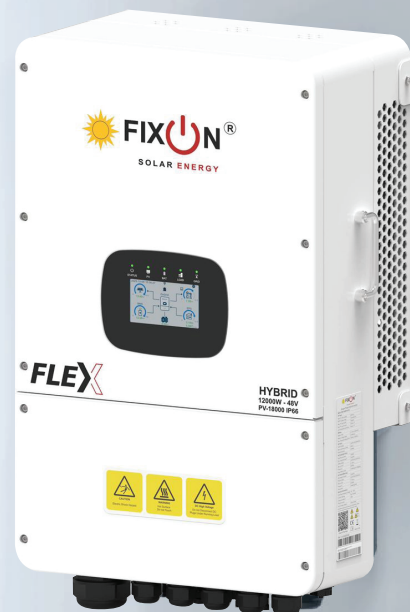


12KW IP66 -PV18000 HYBRID INVERTER



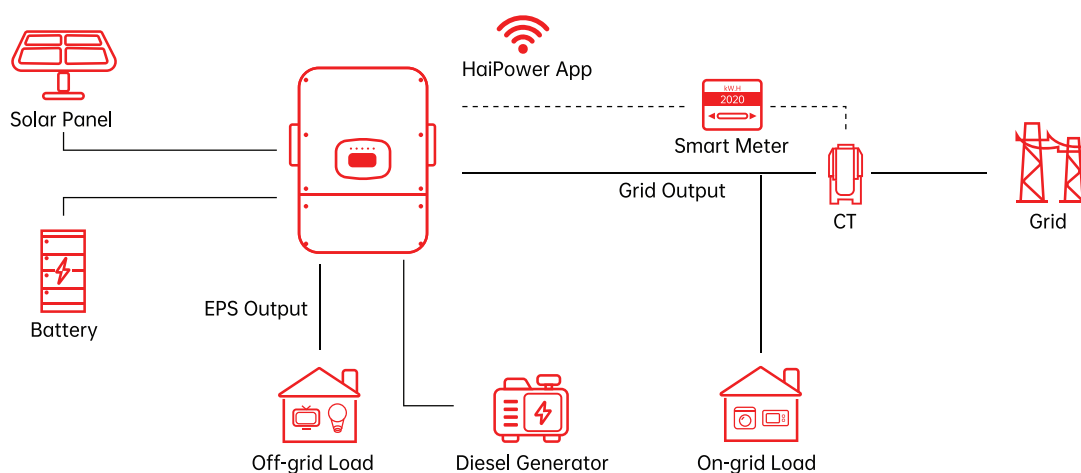
FLEX



FEATURES:

- ⚡ Oversizing Ratio
- 📱 Touch Screen
- 🔌 Generator Input
- ⚡ Parallel Connection
- 📱 Three MPPTS
- 🔌 Overload Capacity

OUT² Smart Load Management



SPECIFICATION:

Model: FXN-12KW-FLX12		DC Injection Current	<0.5%In
Recommended Max. PV Array Size (Wp)	24000	Switch time (ms) (Typ)	4
Max PV Input Power (W)	18000	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+27	Anti-Islanding Protection	yes
Max Short Circuit Current per MPPT (A)	44+44+44	Output Short Protection	yes
Number of MPPTs	3	Ground Fault Monitoring	yes
Number of Strings per MPPT	2+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)	250	Residual Current Monitoring	yes
Max. Charge / Discharge Power (W)	12000	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)	37
Rated AC Input / Output Active Power(W)	12000	Relative Humidity	0~100%
Max. AC Input / Output Apparent Power	13200	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)	54.6 / 52.2 / 50	Noise Emission (dB)	<45
Max. AC Input/Output Current (A)	57.4	Altitude (m)	2000
Max. Continuous AC Passthrough	60	Cooling Method	Intelligent 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 Frequency / 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

