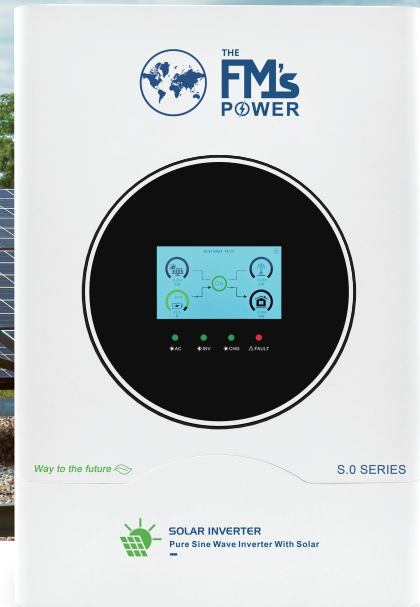


Hybrid solar inverter

B series 4-11kW



2 YEARS PRODUCT WARRANTY
3 YEARS SERVICE WARRANTY



Features:



Touch color screen display, intuitive parameter display screen



Standard configuration with dual AC voltage and sufficient power output for both main and auxiliary



When photovoltaic and mains electricity complement each other, photovoltaic utilization is higher



Enhanced output power of photovoltaic inverter

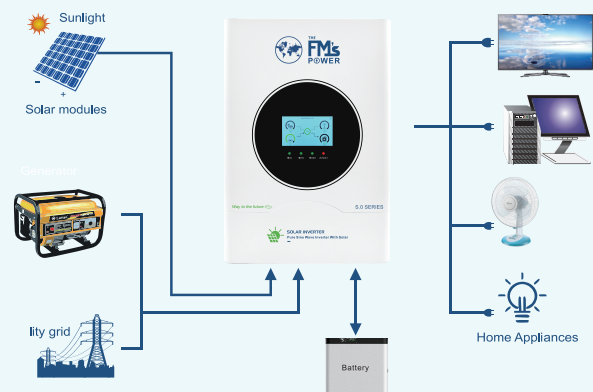


Strong anti-interference technology with EMI filtering



Display show the actual load power in real time

Application



MODEL	FM4024SMH	FM6248SMH	FM11048SMH
Rated input voltage	220/230/240VAC		
Voltage range	90-280VAC±3V(normal mode) 170-280VAC±3V(UPS mode)		
Frequency range	50Hz/60Hz(Adaptive)		
OUTPUT			
Battery Inverter	4000W	6200W	11000W
Photovoltaic Inverter	4500W	6500W	11000W
Peak Power	7200VA	12400VA	22000VA
Output voltage	220/230/240VAC±5%		
Output frequency	50/60Hz±0.1%		
Waveform	Pure Sine Wave		
Switching time (adjustable)	Computer equipment 10ms, home appliances 20ms		
Overload capacity	Battery Mode: 11s@105%~150% Load;2s@150%~200% Load;400ms@>200% Load		
GRID-CONNECTED OPERATION			
Output voltage	220/230/240VAC		
Grid feeding voltage range	170-265VAC		
Grid feeding frequency range	49-51±1Hz/59-61±1Hz		
Nominal output current	15.7A	26.9A	47.8A
Power factor range	>0.99		
Maximum conversion efficiency (DC/AC)	98%		
BATTERY			
Rated voltage	24Vdc	48Vdc	48Vdc
Constant voltage charging voltage (configurable)	28.2Vdc	56.4Vdc	56.4Vdc
Float charging voltage (configurable)	27Vdc	54Vdc	54Vdc
PV CHARGER			
PV charging method	MPPT	MPPT	Dual MPPT
Maximum input power of PV	6500W	8500W	2×5500W
MPPT input voltage range	60-500Vdc	60-500Vdc	90~500Vdc
Optimal Vmp operating range	300~400Vdc	360~430Vdc	360~430Vdc
Maximum PV input voltage	500Vdc	500Vdc	500Vdc
Maximum PV input current	27A	27A	27A/27A
Maximum PV charging current	120A	120A	150A
Maximum mains charging current	100A	100A	150A
Maximum charging current	120A	120A	150A
DISPLAY			
LCD Interface	Can display operation mode/load/input/output, etc.		
INTERFACE			
RS232	Baud rate 2400		
Expansion slot communication interface	Lithium battery BMS communication card, WIFI card, dry contact card, etc.		
Parallel interface	No parallel function	Parallel function	
ENVIRONMENTAL PARAMETERS			
Operating ambient temperature	-10℃ ~ 50℃		
Operating environment humidity	20%~95%(No condensation)		
Storage temperature	-15℃ ~ 60℃		
Noise	<50dB		
PHYSICAL PARAMETERS			
Depth × width × height (mm)	483*313*143mm		570.8*471*148.2mm
Standards and certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1		