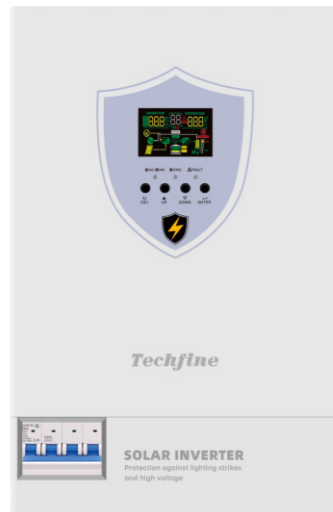


POWER INVERTER







IV SERIES



ENERGY STORAGE INVERTER IV 4000W~11000W



FEATURES

-  With lightning protection and high voltage protection functions
-  Input and output safety switch design
-  Increase in photovoltaic input current and power
-  Increase in photovoltaic inverter power
-  Higher photovoltaic utilization when photovoltaic and mains complement each other
-  With EMI filtering, less interference

APPLICATION



Mine/field



Mountain Forest/grassland



Low temperature areas



Desert/woodland

IV SERIES

PARAMETERS

MODEL	IV4024SMH	IV6248SMH	IV11048SMH
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	12000W
Peak Power	8000VA	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	195-253VA		
grid feeding frequency range	49-51±1Hz/59-61±1Hz		
nominal output current	17.4A	26.9A	47.8A
power factor range	>0.99		
maximum conversion efficiency (DC/AC)	98%		
BATTERY			
Rated voltage	24Vdc	48Vdc	
constant voltage charging voltage (configurable)	28.2Vdc	56.4Vdc	
float charging voltage (configurable)	27Vdc	54Vdc	
PV CHARGER			
PV charging method	MPPT	MPPT	
Maximum input power of PV	6500W	8500W	
MPPT input voltage range	60~500Vdc	60-500Vdc	
optimal Vmp operating range	300~400Vdc	300~400Vdc	
maximum PV input voltage	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	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 (network) function	
ENVIRONMENTAL PARAMETERS			
Operating ambient temperature	-10°C~+50°C		
Operating environment humidity	20%~95%(No condensation)		
Storage temperature	-15°C~+60°C		
noise	≤50db		
PHYSICAL PARAMETERS			
Depth × width × height (mm)	483*313*143 mm		
Standards and certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1		