

7. Technical datasheet

	Model	3024SMH	3624SMH	4024SMH	5548SMH	6248SMH	11048MH
Input	Input Sources	L+N+PE					
	Rated Input Voltage	220/230/240VAC					
	Voltage Range	90~280VAC±3V(APL Mode)170~280VAC±3V(UPS Mode)					
	Frequency	50Hz/60Hz(Auto Adaptive)					
Output	Rated power	The battery inverts Photovoltaic inverter		3000W	3600W	4000W	5500W
		3600W	4500W	4500W	6500W	6500W	12000W
	Output Voltage	220/230/240VAC±5%					
	Output Frequency	50/60Hz±0.1%					
Grid-connected operation	Waveform	Pure Sine Wave					
	Transfer Time (adjustable)	Computers(UPS Mode)10ms, Appliance(APL Mode)20ms					
	Peak Power	6000VA	7200VA	8000VA	11000VA	12400VA	22000VA
	Overload capacity	Battery mode11s@105%~150% Load;2s@150%~200% Load; 400ms@> 200% Load					
	Output Voltage	220/230/240VAC±5%					
	Feed into the grid voltage range Feed into the grid frequency range	100~280VAC 47.53±1Hz/57.62±1Hz					
Battery	Nominal output current	13A	15.7A	17.4A	23.9A	26.9A	47.8A
	Power Factor Range	> 0.99					
	Maximum conversion efficiency (DC/AC)	98%					
	Battery Voltage	24Vdc	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc
	Constant Charging Voltage(Adjustable)	28.2Vdc	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc	56.4Vdc
	Floate Charging Voltage(Adjustable)	27Vdc	27Vdc	27Vdc	54Vdc	54Vdc	54Vdc
Chargers	PV Charging Mode	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT Dual MPPT
	MAX.PV Input Power	5000W	6500W	6500W	8500W	8500W	27500W
	MPPT Tracking Range	60~500Vdc					
	Best voltage	300~400V	300~400V	300~400V	360~430V	360~430V	360~430V
Display	MAX.PV Input Voltage	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc
	PV max input current	18A	27A	27A	27A	27A	27A/27A
	MAX.PV Charging Current	100A	120A	120A	100A	120A	150A
	MAX.AC Charging Current	60A	100A	100A	100A	100A	150A
Interface	MAX.Charging Current	100A	120A	120A	100A	120A	150A
	LCD interface	CAN display running mode/load/input/output, etc.					
	RS232	Baud Rate2400					
Environments	Extend the socket communication interface	Lithium Battery BMS Communication Card WifiCard, Dry Contact					
	Parallel machine interface	No parallel function	Parallel Machine (network) function				
	Operating Temperature	-10~50℃					
Standards and certification	Humidity	20%~95%(Non-condensing)					
	Storage Temperature	-15~60℃					
	Altitude	Allitude Not Over 1000m, Derating over 1000m, Max 4000m. Refer to IEC62040					
	Noise	≤50db					

Display Setting

The LCD display information will be switched in turns by pressing "Up" or "DOWN" key. The selected information is switched as below order: input voltage, input frequency, PV voltage, charging current, battery voltage, output voltage, output frequency, load percentage, load in Watt, load in VA, load in Watt, DC discharging current, main board firmware version and SCC firmware version.

Select item	LCD display
Input voltage and output voltage (Default Display Screen)	Input Voltage=230V, output voltage=230V
Input frequency and output frequency	Input frequency=50.0Hz, output frequency=50.0Hz
Battery voltage and output voltage	Battery Voltage=48.0V, output voltage=230V
Battery voltage and load percentage	Battery Voltage=48.0V, load percentage 68%