

Display Setting

The LCD display information will be switched in turns by pressing "UP" or "DOWN" key. The selectable 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, DO 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%

7. Technical datasheet

Model	2024P	3024M	3524M	3024MH	3624MH	5048MH	5548MH	6248MH	8048MH	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 Capacity	2000W	3000W	3500W	3000W	3600W	5000W	5500W	6200W	8000W	11000W
	Output Voltage	220/230/240VAC±5%									
	Output Frequency	50/60Hz±0.1%									
	Waveform	Pure Sine Wave									
	Transfer Time (adjustable)	Computers(UPS Mode)10ms, Appliance(APL Mode)20ms									
	Peak Power	4000VA	6000VA	7000VA	6000VA	7200VA	10000VA	11000VA	12400VA	16000VA	22000VA
	Peak Efficiency (battery Mode)	>93%	>94%	>94%	>94%	>94%	>98%	>98%	>98%	>98%	>98%
Battery	Battery Voltage	24Vdc	24Vdc	24Vdc	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc	48Vdc
	Constant Charging Voltage(Adjustable)	28.2Vdc	28.2Vdc	28.2Vdc	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc
	Floate Charging Voltage(Adjustable)	27Vdc	27Vdc	27Vdc	27Vdc	27Vdc	54Vdc	54Vdc	54Vdc	54Vdc	54Vdc
Chargers	PV Charging Mode	PWM	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT
	MAX.PV Input Power	1200W	1500W	1500W	5000W	5000W	6200W	6200W	6200W	2*5500W	2*5500W
	MPPT Tracking Range	N/A	30~145Vdc	30~145Vdc	60~500Vdc	60~500Vdc	60~500Vdc	60~500Vdc	60~500Vdc	90~500Vdc	90~500Vdc
	Best voltage	30~32V	30~115V	30~115V	300~400V	300~400V	300~400V	300~400V	300~400V	300~400V	300~400V
	MAX.PV Input Voltage	80Vdc	150Vdc	145Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc
	MAX.PV Charging Current	50A	60A	60A	100A	120A	100A	100A	120A	150A	150A
	MAX.AC Charging Current	50A	60A	60A	60A	100A	60A	60A	100A	120A	150A
MAX.Charging Current	100A	120A	120A	100A	120A	100A	100A	120A	150A	150A	
Display	LCD Display	Display Running Mode/Loads/Input/Output etc.									
Interface	RS232	Baud Rate2400									
	Communication Port	Lithium Battery BMS Communication Card WifiCard, Dry Contact									
	Parallel Connect Interface	Without Parallel Connect					With Parallel				
Environments	Operating Temperature	-10~50°C									
	Humidity	20%~95%(Non-condensing)									
	Storage Temperature	-15~60°C									
	Altitude	Altitude Not Over 1000m,Derating over 1000m,Max 4000m. Refer to IEC62040									
Noise	≤50db										