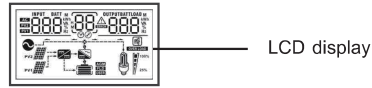
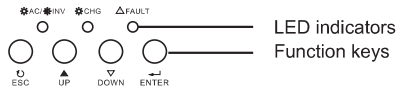


5.2 Operation and Display Panel

The operation and display panel, shown in below chart , is on the front panel of the inverter. It includes three indicators , four function keys and a LCD display, indicating the operating status and input/output power information.



LCD display



LED indicators

Function keys

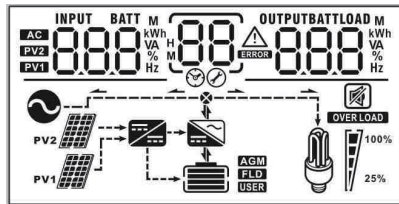
LED Indicator

LED Indicator			Messages
AC/INV	Green	Solid On	Output is powered by utility in Line mode.
		Flashing	Output is powered by battery or PV in battery mode.
CHG	Yellow	Solid On	Battery is fully charged.
		Flashing	Battery is charging.
FAULT	Red	Solid On	Fault occurs in the inverter.
		Flashing	Warning condition occurs in the inverter.

Function Keys

Function Key	Description
ESC	To exit setting mode
UP	To go to previous selection
DOWN	To go to next selection
ENTER	To confirm the selection in setting mode or enter setting mode

LCD Display Icons



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	3000W	3600W	4000W	5500W	6200W	11000W	
		Photovoltaic inverter	3600W	4500W	4500W	6500W	6500W	12000W	
	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		6000VA	7200VA	8000VA	11000VA	12400VA	22000VA	
	Overload capacity		Battery mode11s@105%~150% Load;2s@150%~200% Load; 400ms@ >200% Load						
Grid-connected operation	Output Voltage		220/230/240VAC±5%						
	Feed into the grid voltage range		170-265VAC						
	Feed into the grid frequency range		49-51±1Hz/59-61±1Hz						
	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	Battery Votage		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	2*5500W	
	MPPTTracking Range		60~500Vdc						90~500Vdc
	Best voltage		300~400V	300~400V	300~400V	360~430V	360~430V	300~400V	
	MAX.PV Input Voltage		500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	
	PV max input current		18A	27A	27A	27A	27A	18A/18A	
	MAX.PV Charging Current		100A	120A	120A	100A	120A	150A	
	MAX.AC Charging Current		60A	100A	100A	100A	100A	150A	
	MAX.Charging Current		100A	120A	120A	100A	120A	150A	
Display	LCD interface		CAN display running mode/load/input/output, etc.						
Interface	RS232		Baud Rate2400						
	Extend the socket communication interface		Lithium Battery BMS Communication Card WifiCard, Dry Contact						
	Parallel machine interface		No parallel function			Parallel Machine (network) function			
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						
Standards and certification			EN-IEC 60335-1,EN IEC 60335-2-29, IEC 62109-1						