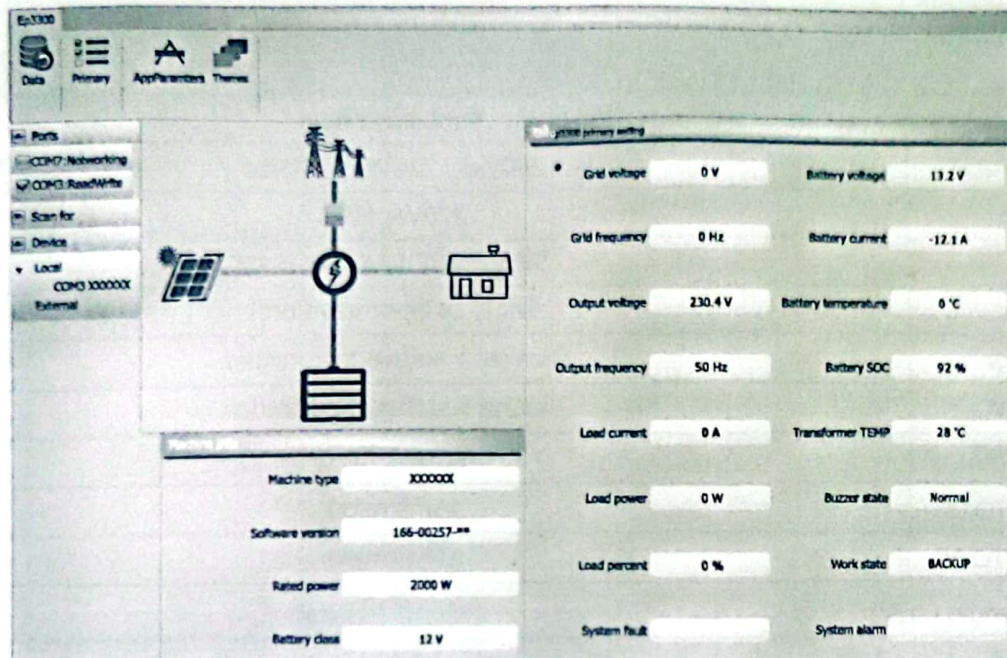


The SolarPowerMonitor will auto scan communication port.



Wait for a moment, Power Monitor will work normally.

Monitor software function operation

Specific function Operations of the monitoring software, please refering to the HELP docs after the connection is successful.

Specifications

Inverter Mode Specification

Rated power(W)	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW
Power Factor	1						
Wave form	Pure sine wave						
Output voltage RMS	100V/110V/120VAC(200V/220V/240VAC)±10%						
Output frequency	50HZ or 60HZ (±0.3HZ)						
Inverter efficiency(peak)	>80%						
Overload	100%<Load<110% (alarm 5min then stop output and fault code 07) 110%<Load<125% (alarm 60s then stop output and fault code 07) Load>125% (alarm 10s then stop output and fault code 07)						
Surge rating	3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	15000VA
Capable of starting electric motor	1P		1.5P		2P	3P	
Battery voltage	12VDC/24VDC			24VDC/48VDC		48VDC	
Minimum start voltage	11VDC/22VDC/44VDC						
Low battery cut off	(low voltage fault code04) 10/10.5/11/11.5/12V for 12V model 20/21/22/23/24V for 24V model 40/42/44/46/48V for 48v model						
Low battery alarm	Add 0.5V/battery: (low battery alarm one second one time) (10/10.5/11/11.5/12V)+0.5Vdc for 12V model (20/21/22/23/24V)+1Vdc for 24v model (40/42/44/46/48V)+2Vdc for 48v model						
High voltage alarm	Add +1V/battery: (high voltage one second one time/after 30s fault 03) (12-14.5V) + 1V for 12V model (24-29V) + 2V for 24v model (48-58V) + 4V for 48v model						
Save mode	Load≤40W(110V)/80W(220V)						

AC Mode Specification

AC parameter

Input waveform	Pure sine wave
Nominal input voltage	200Vac / 220Vac / 240Vac
Max input voltage	270Vac MAX
Input frequency	50HZ/60HZ (auto sensing)
Output waveform	Same as input waveform
Overload protection	Breaker + software protection
Output short circuit	Breaker+ software protection
Efficiency(AC mode)	>95%@ load, full battery)
Transfer time AC TO DC	15ms(max)
Transfer time DC TO AC	15ms(max)

AC input voltage range: ($\pm 5V$)

model	range	Low cutoff	Low recover	High cutoff	High recover
220V	narrow	AC<180V	AC>190V	AC>270V	AC<265V
		F<40HZ	F>45HZ	F>70HZ	F<65HZ
	wide	AC<140V	AC>150V	AC>270V	AC<265V
		F<40HZ	F>45HZ	F>70HZ	F<65HZ

Charge Mode Specifications

Max charge current: ($\pm 5A$)

model	1K	1.5K	2K	3K	4K	5K	6K
12V	30A	45A	60A	60A			
24V	20A	25A	30A	40A	60A	60A	60A
48V				20A	30A	35A	40A
Min charge current 10A. change by every 5A.							

Charge mode AC range:

Setting	Low voltage	Charge mode	recover	Charge mode
220V AC wide range	AC>265V	Stop charge	AC<260V	Charge recover
	AC<155V	Stop charge	AC>160V	Charge recover
	40<F<70HZ charge			

Charge mode:

Charge current adjustable	Charge current adjustable: 10A~max (adjust by every 5A)
Battery voltage	10-14.5Vdc/20-29Vdc/40-58Vdc
Short circuit protection	breaker
Over charge protection	Bat V $\geq$ charge voltage + 1V/battery, 1s 1 time for 30s then alarm 03
rule	Boost CC $\rightarrow$ Boost CV $\rightarrow$ Boost FV