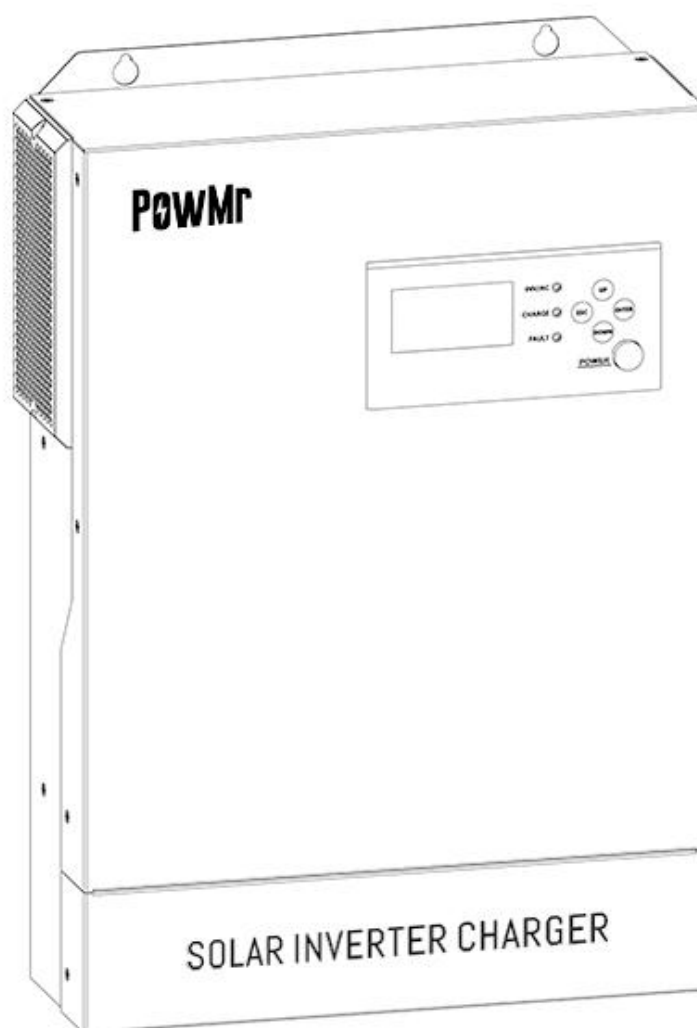


Product Model

POW-HVM5.5K-48V-N



# POWMr

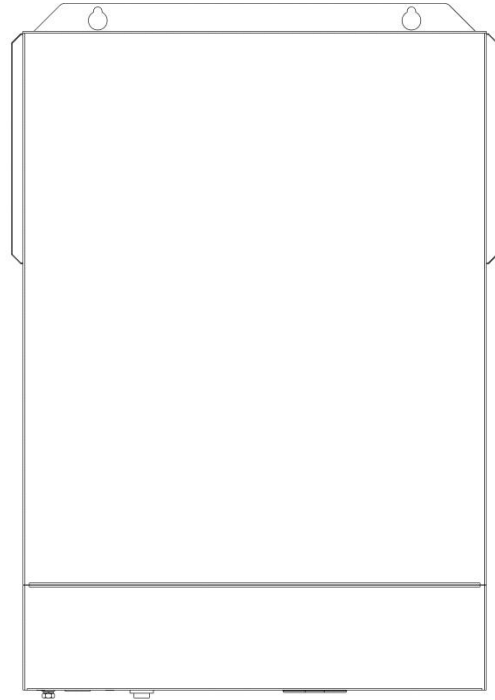
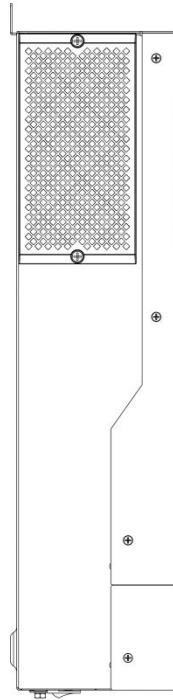
SOLAR INVERTER CHARGER

User Manual

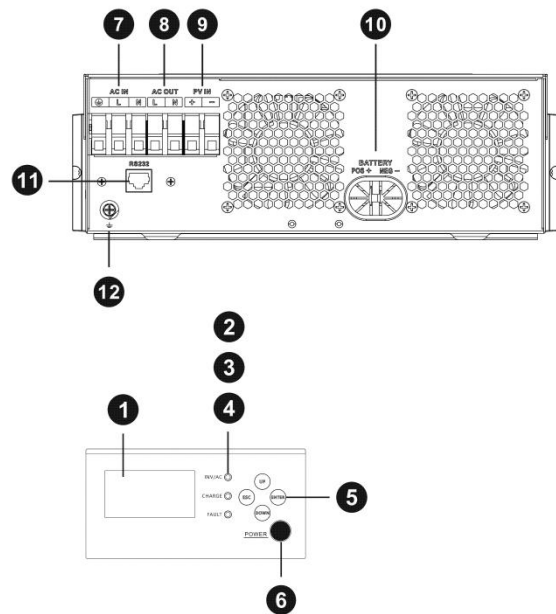
# Table Of Contents

<b>PRODUCT OVERVIEW .....</b>	<b>1</b>
<b>INSTALLATION .....</b>	<b>2</b>
Unpacking and Inspection .....	2
Preparation .....	2
Mounting the Unit .....	2
Final Assembly .....	3
<b>OPERATION .....</b>	<b>4</b>
Power ON/OFF .....	4
Operation and Display Panel .....	4
LCD Setting .....	5
Fault Reference Code .....	13
Warning Indicator .....	14
<b>SPECIFICATIONS .....</b>	<b>17</b>
Table 1 Line Mode Specifications .....	17
Table 2 Inverter Mode Specifications .....	18
Table 3 Charge Mode Specifications .....	19
Table 4 General Specifications .....	19
<b>TROUBLE SHOOTING .....</b>	<b>20</b>

# PRODUCT OVERVIEW



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. RS232 communication port
12. Grounding



# INSTALLATION

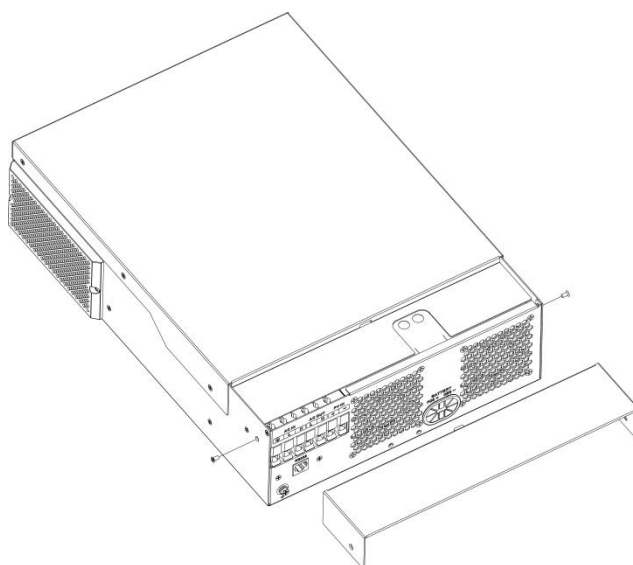
## Unpacking and Inspection

Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. You should have received the following items inside of package:

1. The unit x 1
2. User manual x 1

## Preparation

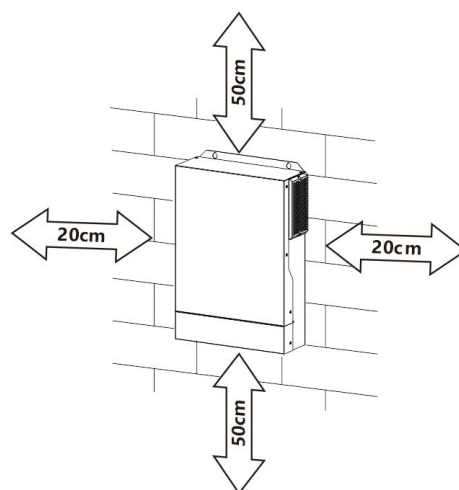
Before connecting all wirings, please take off bottom cover by removing two screws as shown below.



## Mounting the Unit

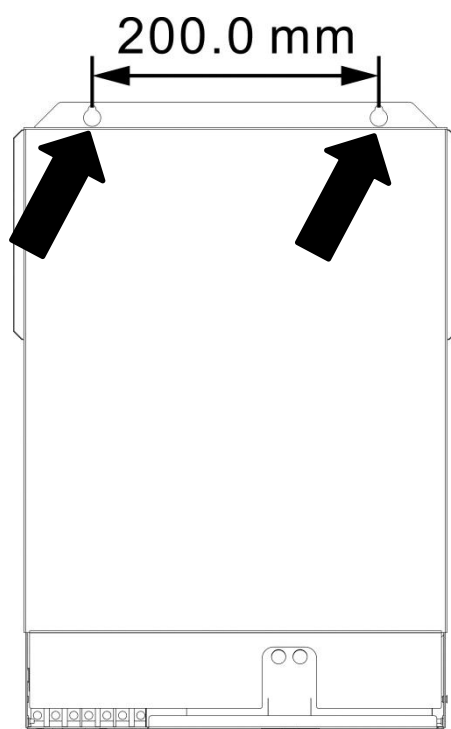
Consider the following points before selecting where to install:

1. Do not mount the inverter on flammable construction materials.
2. Mount on a solid surface
3. Install this inverter at eye level in order to allow the LCD display to be read at all times.
4. The ambient temperature should be between 0°C and 55°C to ensure optimal operation.
5. The recommended installation position is to be adhered to the wall vertically.
6. Be sure to keep other objects and surfaces as shown in the right diagram to guarantee sufficient heat dissipation and to have enough space for removing wires.



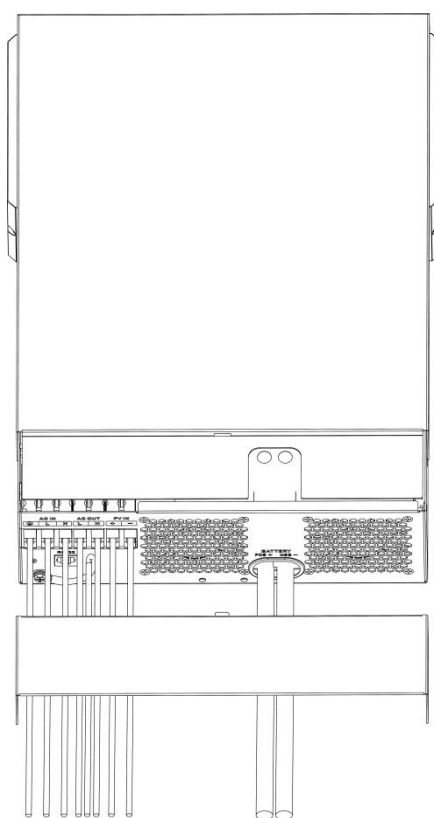
**SUITABLE FOR MOUNTING ON CONCRETE OR OTHER NON-COMBUSTIBLE SURFACE ONLY.**

Install the unit by screwing three screws. It's recommended to use M4 or M5 screws.



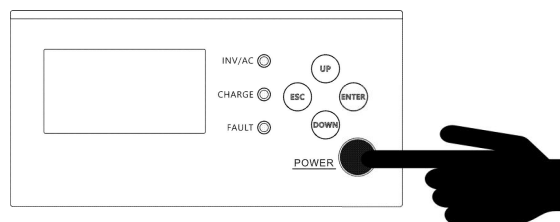
## Final Assembly

After connecting all wirings, please put bottom cover back by screwing two screws as shown below.



# OPERATION

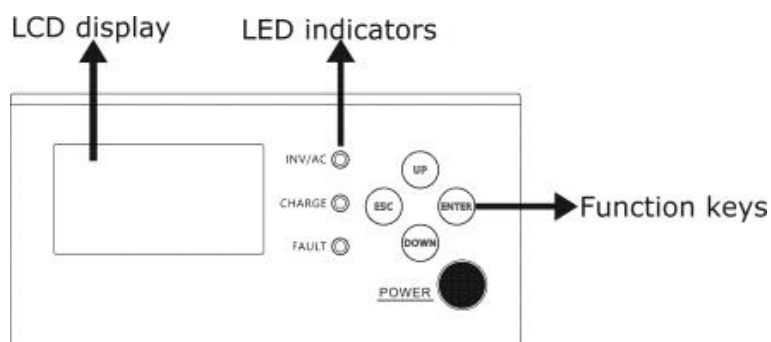
## Power ON/OFF



Once the unit has been properly installed and the batteries are connected well, simply press On/Off switch (located on the button of the case) to turn on the unit.

## 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.



### LED Indicator

LED Indicator			Messages
INV/AC	Green	Solid On	Output is powered by utility in Line mode.
		Flashing	Output is powered by battery or PV in battery mode.
CHARGE	Green	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 Setting

After pressing and holding ENTER button for 3 seconds, the unit will enter setting mode. Press "UP" or "DOWN" button to select setting programs. And then, press "ENTER" button to confirm the selection or ESC button to exit.















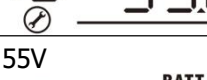
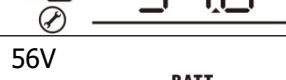
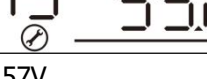





### Setting Programs:













Program	Description	Selectable option	
01	Output source priority: To configure load power source priority	Solar first 	Solar energy provides power to the loads as first priority. If solar energy is not sufficient to power all connected loads, battery energy will supply power the loads at the same time. Utility provides power to the loads only when any one condition happens: - Solar energy is not available - Battery voltage drops to either low-level warning voltage or the setting point in program 12.
		Utility first (default) 	Utility will provide power to the loads as first priority. Solar and battery energy will provide power to the loads only when utility power is not available.
		SBU priority 	Solar energy provides power to the loads as first priority. If solar energy is not sufficient to power all connected loads, battery energy will supply power to the loads at the same time. Utility provides power to the loads only when battery voltage drops to either low-level warning voltage or the setting point in program 12.
		SUB priority 	Solar energy is charged first and then power to the loads. If solar energy is not sufficient to power all connected loads, Utility energy will supply power to the loads at the same time.

02	Maximum charging current: To configure total charging current for solar and utility chargers. (Max. charging current = utility charging current + solar charging current)	10A 02 10 <sup>A</sup>	20A 02 20 <sup>A</sup>
		30A 02 30 <sup>A</sup>	40A 02 40 <sup>A</sup>
		50A 02 50 <sup>A</sup>	60A (default) 02 60 <sup>A</sup>
		70A 02 70 <sup>A</sup>	80A 02 80 <sup>A</sup>
03	AC input voltage range	Appliances (default) 03 APL	If selected, acceptable AC input voltage range will be within 90-280VAC.
		UPS 03 UPS	If selected, acceptable AC input voltage range will be within 170-280VAC.
		Generator 03 GNT	If selected, acceptable AC input voltage range will be within 170-280VAC and compatible with generators.  Note: Because generators are unstable, maybe the output of inverter will be unstable too.
04	Power saving mode enable/disable	Saving mode disable (default) 04 SDS	If disabled, no matter connected load is low or high, the on/off status of inverter output will not be effected.
		Saving mode enable 04 SEN	If enabled, the output of inverter will be off when connected load is pretty low or not detected.
05	Battery type	AGM (default) 05 AGN	Flooded 05 FLD
		User-Defined 05 USE	If "User-Defined" is selected, battery charge voltage and low DC cut-off voltage can be set up in program 26, 27 and 29.
06	Auto restart when overload occurs	Restart disable (default) 06 LTD	Restart enable 06 LFE
07	Auto restart when over temperature occurs	Restart disable (default) 07 LTD	Restart enable 07 LFE



08	Output voltage	220V 08 220 <sup>v</sup>	230V (default) 08 230 <sup>v</sup>
		240V 08 240 <sup>v</sup>	
09	Output frequency	50Hz (default) 09 50 <sup>Hz</sup>	60Hz 09 60 <sup>Hz</sup>
10	Auto bypass When selecting "auto", if the mains power is normal, it will automatically bypass, even if the switch is off.	manual(default) 10 nNL	auto 10 Ato
11	Maximum utility charging current	2A 11 2A	10A 11 10A
		20A 11 20A	30A (default) 11 30A
		40A 11 40A	50A 11 50A
		60A 11 60A	
12	Setting voltage point back to utility source when selecting "SBU priority" or "Solar first" in program 01.	Available options in 48V models: Setting range is from 44.0V to 57.2V for 48v model, but The max setting value must be less than the value of program13.	
		44V 12 44.0 <sup>v</sup>	45V 12 45.0 <sup>v</sup>
		46V (default) 12 46.0 <sup>v</sup>	47V 12 47.0 <sup>v</sup>
		48V 12 48.0 <sup>v</sup>	49V 12 49.0 <sup>v</sup>
		50V 12 50.0 <sup>v</sup>	51V 12 51.0 <sup>v</sup>
		52V 12 52.0 <sup>v</sup>	53V 12 53.0 <sup>v</sup>
		54V 12 54.0 <sup>v</sup>	55V 12 55.0 <sup>v</sup>

		Available options in 24V models: Setting range is from 22.0V to 28.6V for 24v model, but The max setting value must be less than the value of program13.		
		22 V 	23V (default) 	24 V 
13	Setting voltage point back to battery mode when selecting "SBU priority" or "Solar first" in program 01.	25 V 	26V 	27 V 
		Available options in 48V models: Setting range is from 48V to full (the value of program26-0.4V), but the max setting value must be more than the value of program12.		
		Battery fully charged (default) 	48V 	
		49V 	50V 	
		51V 	52V 	
		53V 	54V 	
		55V 	56V 	
		57V 	58V 	
		59V 	60V 	
		61V 	62V 	























		Available options in 24V models: Setting range is from 24V to full (the value of program26-0.4V), but the max setting value must be more than the value of program12.	
		Battery fully charged (default) 	24V 
		25V 	26V 
		27V (default) 	28V 
		29v 	30v 
		If this inverter/charger is working in Line, Standby or Fault mode, charger source can be programmed as below:	
		Solar first 	Solar energy will charge battery as first priority. Utility will charge battery only when solar energy is not available.
		Utility first 	Utility will charge battery as first priority. Solar energy will charge battery only when utility power is not available.
16	Charger source priority: To configure charger source priority	Solar and Utility (default) 	Solar energy and utility will charge battery at the same time.
		Only Solar 	Solar energy will be the only charger source no matter utility is available or not.
		If this inverter/charger is working in Battery mode or Power saving mode, only solar energy can charge battery. Solar energy will charge battery if it's available and sufficient.	

18	Buzzer mode	Mode1 bU2 18 nd1	Buzzer mute
		Mode2 bU2 18 nd2	The buzzer sounds when the input source changes or there is a specific warning or fault
		Mode3 bU2 18 nd3	The buzzer sounds when there is a specific warning or fault
		Mode4(default) bU2 18 nd4	The buzzer sounds when there is a fault
19	Auto return to default display screen	Return to default display screen (default) 19 ESP	If selected, no matter how users switch display screen, it will automatically return to default display screen (Input voltage /output voltage) after no button is pressed for 1 minute.
		Stay at latest screen 19 LEP	If selected, the display screen will stay at latest screen user finally switches.
20	Backlight control	Backlight on (default) 20 LON	Backlight off 20 LOF
23	Overload bypass: When enabled, the unit will transfer to line mode if overload occurs in battery mode.	Bypass disable (default) 23 byd	Bypass enable 23 byE
25	Modbus ID Setting	Modbus ID Setting Range : 001(default)~247 nd 25 001	
26	Bulk charging voltage (C.V voltage)	48V models default setting: 56.4V CU 26 56.4 <sup>BATT</sup> v	
		24V models default setting: 28.2V CU 26 28.2 <sup>BATT</sup> v	
		If self-defined is selected in program 5, this program can be set up. Setting range is from 24.0V to 31.0V for 24v model and 48.0V to 62.0V for 48v model. But the setting value must be more than or equal the value of program27. Increment of each click is 0.1V.	
27	Floating charging voltage	48V models default setting: 54.0V FLU 27 54.0 <sup>BATT</sup> v	










		24V models default setting: 27.0V <div><div>FLV</div><div>27</div><div><sup>BATT</sup>27.0<sub>v</sub></div></div>	
		If self-defined is selected in program 5, this program can be set up. Setting range is from 24.0V to the value of program 26 for 24v model and 48.0V to the value of program 26 for 48v model. Increment of each click is 0.1V.	
29	Low DC cut-off voltage	48V models default setting: 42.0V <div><div>COV</div><div>29</div><div><sup>BATT</sup>42.0<sub>v</sub></div></div>	
		24V models default setting: 21.0v <div><div>COV</div><div>29</div><div><sup>BATT</sup>21.0<sub>v</sub></div></div>	
		If self-defined is selected in program 5, this program can be set up. Setting range is from 20.0V to 27.0V for 24v model and 40.0V to 54.0V for 48v model. The setting value must be less than the value of program12. Increment of each click is 0.1V.Low DC cut-off voltage will be fixed to setting value no matter what percentage of load is connected.	
32	Bulk charging time (C.V stage)	Automatically (Default): <div><div>32</div><div>AUT</div></div>	If selected, inverter will judge this charging time automatically.
		5 min <div><div>32</div><div>5</div></div>	The setting range is from 5 min to 900 min. Increment of each click is 5 min.
		900 min <div><div>32</div><div>900</div></div>	
		If "USE" is selected in program 05, this program can be set up.	
33	Battery equalization	Battery equalization <div><div>33</div><div>EEN</div></div>	Battery equalization disable (default) <div><div>33</div><div>EDS</div></div>
		If "Flooded" or "User-Defined" is selected in program 05, this program can be set up.	
34	Battery equalization voltage	48V models default setting is 58.4V. Setting range is from 48V ~ 64V. Increment of each click is 0.1V. <div><div>EV</div><div>34</div><div><sup>BATT</sup>64.0<sub>v</sub></div></div>	
		24V models default setting is 29.2V. Setting range is from 24V ~ 32V. Increment of each click is 0.1V. <div><div>EV</div><div>34</div><div><sup>BATT</sup>32.0<sub>v</sub></div></div>	

35	Battery equalized time	60min (default) 35 60	Setting range is from 5min to 900min. Increment of each click is 5min.
36	Battery equalized timeout	120min (default) 36 120	Setting range is from 5min to 900 min. Increment of each click is 5 min.
37	Equalization interval	30days (default) 37 30d	Setting range is from 0 to 90 days. Increment of each click is 1 day
39	Equalization activated immediately	Enable 39 AEN	Disable (default) 39 AdS
		If equalization function is enabled in program 33, this program can be set up. If "Enable" is selected in this program, it's to activate battery equalization immediately and LCD main page will shows "E9". If "Disable" is selected, it will cancel equalization function until next activated equalization time arrives based on program 37 setting. At this time, "E9" will not be shown in LCD main page.	

## Fault Reference Code

Fault Code	Fault Event	Icon on
01	Over temperature of inverter module	
02	Over temperature of DC/DC module	
03	Battery voltage is too high	
04	Over temperature of PV module	
05	Output short circuited.	
06	Output voltage is too high.	
07	Overload time out	
08	Bus voltage is too high	
09	Bus soft start failed	
10	PV over current	
11	PV over voltage	
12	DC/DC over current	
13	Over current or surge	
14	Bus voltage is too low	
15	Inverter failed (Self-checking)	
16	Over DC voltage in AC output	
17	Reserved	
18	Op current offset is too high	
19	Inverter current offset is too high	
20	DC/DC current offset is too high	
21	PV current offset is too high	
22	Output voltage is too low	
23	Inverter negative power	

## Warning Indicator

Warning Code	Warning Event	Audible Alarm	Icon flashing
02	Temperature is too High	Beep three times every second	
04	Low battery	Beep once every second	
07	Overload	Beep once every 0.5 second	
10	Output power derating	Beep twice every 3 seconds	
15	PV energy is low	Beep twice every 3 seconds	
19	Lithium Battery communication is failed	Beep once every 0.5 second	
20	Battery low and it isn't up to the setting value of program 13	Beep twice every 3 seconds	
E9	Battery equalization	None	
bP	Battery is not connected	None	



## Setting for lithium battery without communication

This suggestion is used for lithium battery application and avoid lithium battery BMS protection without communication, please finish the setting as follow:

1. Before starting setting, you must get the battery BMS specification:

- A. Max charging voltage
- B. Max charging current
- C. Discharging protection voltage

2. Set battery type as "USE" (user-defined)

05	Battery type	AGM (default) 05 AGM	Flooded 05 FLd
		User-Defined 05 USE	If "User-Defined" is selected, battery charge voltage and low DC cut-off voltage can be set up in program 26, 27 and 29.

3. Set C.V voltage as Max charging voltage of BMS-0.5V.

26	Bulk charging voltage (C.V voltage)	default setting: 56.4V CU 26 BATT 56.4V
		If self-defined is selected in program 5, this program can be set up. Setting range is from 24.0V to 31.0V for 24v model and 48.0V to 62.0V for 48v model. But the setting value must be more than or equal the value of program 27. Increment of each click is 0.1V.

4. Set floating charging voltage as C.V voltage.

27	Floating charging voltage	default setting: 54.0V FLU 27 BATT 54.0V
		If self-defined is selected in program 5, this program can be set up. Setting range is from 24.0V to the value of program 26 for 24v model and 48.0V to the value of program 26 for 48v model. Increment of each click is 0.1V.

5. Set Low DC cut-off voltage  $\geq$  discharging protection voltage of BMS+2V.

29	Low DC cut-off voltage	default setting: 42.0V COU 29 BATT 42.0V
		If self-defined is selected in program 5, this program can be set up. Setting range is from 20.0V to 27.0V for 24v model and 40.0V to 54.0V for 48v model. The setting value must be less than the value of program 12. Increment of each click is 0.1V. Low DC cut-off voltage will be fixed to setting value no matter what percentage of load is connected.

6. Set Max charging current which must be less than the Max charging current of BMS.

02	Maximum charging current: To configure total charging current for solar and utility chargers. (Max. charging current = utility charging current + solar charging current)	10A 02 10 <sup>A</sup>	20A 02 20 <sup>A</sup>
		30A 02 30 <sup>A</sup>	40A 02 40 <sup>A</sup>
		50A 02 50 <sup>A</sup>	60A (default) 02 60 <sup>A</sup>
		70A 02 70 <sup>A</sup>	80A 02 80 <sup>A</sup>

7. Setting voltage point back to utility source when selecting "SBU priority" or "Solar first" in program 01. The setting value must be  $\geq$  Low DC cut-off voltage + **1V**, or else the inverter will have a warning as battery voltage low.

12	Setting voltage point back to utility source when selecting "SBU priority" or "Solar first" in program 01.	Available options in 48V models: 46V (default) 12 46.0 <sup>V</sup>
		Available options in 24V models: 23V (default) 12 23.0 <sup>V</sup>

Remark:

1. you'd better to finish setting without turn on the inverter (just let the LCD show, no output);
2. when you finish setting, please restart the inverter.

# SPECIFICATIONS

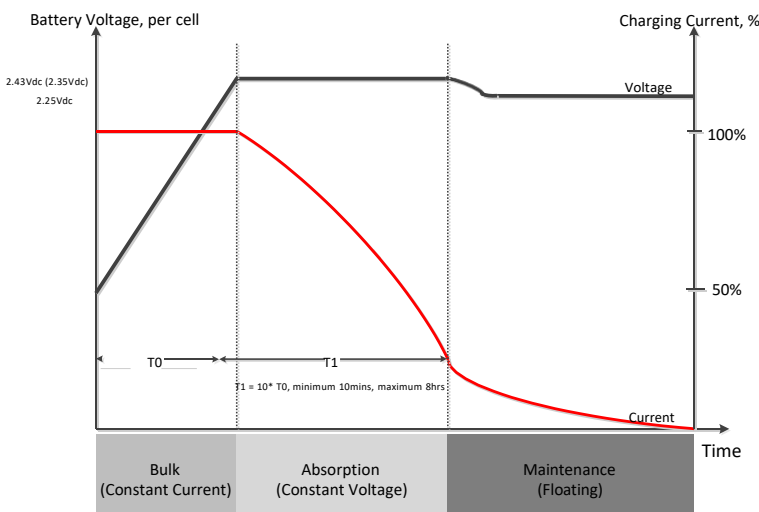
**Table 1 Line Mode Specifications**

INVERTER MODEL	3.5KVA	5.5KVA
<b>Input Voltage Waveform</b>	Sinusoidal (utility or generator)	
<b>Nominal Input Voltage</b>	230Vac	
<b>Low Loss Voltage</b>	170Vac $\pm$ 7V (UPS) 90Vac $\pm$ 7V (Appliances)	
<b>Low Loss Return Voltage</b>	180Vac $\pm$ 7V (UPS); 100Vac $\pm$ 7V (Appliances)	
<b>High Loss Voltage</b>	280Vac $\pm$ 7V	
<b>High Loss Return Voltage</b>	270Vac $\pm$ 7V	
<b>Max AC Input Voltage</b>	300Vac	
<b>Nominal Input Frequency</b>	50Hz / 60Hz (Auto detection)	
<b>Low Loss Frequency</b>	40 $\pm$ 1Hz	
<b>Low Loss Return Frequency</b>	42 $\pm$ 1Hz	
<b>High Loss Frequency</b>	65 $\pm$ 1Hz	
<b>High Loss Return Frequency</b>	63 $\pm$ 1Hz	
<b>Output Short Circuit Protection</b>	Line mode: Circuit Breaker Battery mode: Electronic Circuits	
<b>Efficiency (Line Mode)</b>	>95% ( Rated R load, battery full charged )	
<b>Transfer Time</b>	10ms typical (UPS); 20ms typical (Appliances)	
<b>Output power derating:</b> When AC input voltage drops to 95V or 170V depending on models, the output power will be derated.	<p>The graph illustrates the output power derating characteristics. The vertical axis represents Output Power, with specific levels for 50% Power and Rated Power. The horizontal axis represents Input Voltage, with key points at 90V, 170V, and 280V. The power remains at the Rated level until the input voltage reaches 170V. Below 170V, the power derates linearly, reaching 50% of the Rated Power at 90V. From 90V down to 280V, the output power remains constant at 50% of the Rated Power.</p>	

**Table 2 Inverter Mode Specifications**

<b>INVERTER MODEL</b>	<b>3.5KVA</b>	<b>5.5KVA</b>
<b>Rated Output Power</b>	3.5KVA/3.5KW	5.5KVA/5.5KW
<b>Output Voltage Waveform</b>	Pure Sine Wave	
<b>Output Voltage Regulation</b>	230Vac±5%	
<b>Output Frequency</b>	60Hz or 50Hz	
<b>Peak Efficiency</b>	94%	
<b>Overload Protection</b>	5s@≥140% load; 10s@100%~140% load	
<b>Surge Capacity</b>	2* rated power for 5 seconds	
<b>Nominal DC Input Voltage</b>	24Vdc	48Vdc
<b>Cold Start Voltage</b>	23.0Vdc	46.0Vdc
<b>Low DC Warning Voltage</b> @ load < 20% @ 20% ≤ load < 50% @ load ≥ 50%	22.0Vdc 21.4Vdc 20.2Vdc	44.0Vdc 42.8Vdc 40.4Vdc
<b>Low DC Warning Return Voltage</b> @ load < 20% @ 20% ≤ load < 50% @ load ≥ 50%	23.0Vdc 22.4Vdc 21.2Vdc	46.0Vdc 44.8Vdc 42.4Vdc
<b>Low DC Cut-off Voltage</b> @ load < 20% @ 20% ≤ load < 50% @ load ≥ 50%	21.0Vdc 20.4Vdc 19.2Vdc	42.0Vdc 40.8Vdc 38.4Vdc

**Table 3 Charge Mode Specifications**

Utility Charging Mode			
INVERTER MODEL		3.5KVA	5.5KVA
Max Charging Current (PV+AC)		100Amp (@ $V_{I/P}$ =230Vac)	
Max Charging Current (AC)		60Amp (@ $V_{I/P}$ =230Vac)	
Bulk Charging Voltage	Flooded Battery	29.2Vdc	58.4Vdc
	AGM / Gel Battery	28.2Vdc	56.4Vdc
Floating Charging Voltage		27Vdc	54Vdc
Overcharge Protection		33Vdc	63Vdc
Charging Algorithm		3-Step	
Charging Curve			
Solar Input			
INVERTER MODEL		3.5KVA	5.5KVA
Rated Power		4000W	5500W
Max. PV Array Open Circuit Voltage		500Vdc	
PV Array MPPT Voltage Range		120Vdc~450Vdc	
Max. Input Current		15A	18A
Max. Charging Current(PV)		100A	

**Table 4 General Specifications**

INVERTER MODEL	3.5KVA	5.5KVA
Safety Certification	CE	
Operating Temperature Range	-10°C to 55°C	
Storage temperature	-15°C~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Dimension (D*W*H), mm	448x295x105	
Net Weight, kg	6.8	8.5

# TROUBLE SHOOTING

Problem	LCD/LED/Buzzer	Explanation / Possible cause	What to do
Unit shuts down automatically during startup process.	LCD/LEDs and buzzer will be active for 3 seconds and then complete off.	The battery voltage is too low	1. Re-charge battery. 2. Replace battery.
No response after power on.	No indication.	1. The battery voltage is far too low. 2. Battery polarity is connected reversed.	1. Check if batteries and the wiring are connected well. 2. Re-charge battery. 3. Replace battery.
Mains exist but the unit works in battery mode.	Input voltage is displayed as 0 on the LCD and green LED is flashing.	Input protector is tripped	Check if AC breaker is tripped and AC wiring is connected well.
	Green LED is flashing.	Insufficient quality of AC power. (Shore or Generator)	1. Check if AC wires are too thin and/or too long. 2. Check if generator (if applied) is working well or if input voltage range setting is correct. (UPS→Appliance)
	Green LED is flashing.	Set "Solar First" as the priority of output source.	Change output source priority to Utility first.
When the unit is turned on, internal relay is switched on and off repeatedly.	LCD display and LEDs are flashing	Battery is disconnected.	Check if battery wires are connected well.
Buzzer beeps continuously and red LED is on.	Fault code 07	Overload error. The inverter is overload 110% and time is up.	Reduce the connected load by switching off some equipment.
	Fault code 05	Output short circuited.	Check if wiring is connected well and remove abnormal load.
	Fault code 02	Internal temperature of inverter component is over 100°C.	Check whether the air flow of the unit is blocked or whether the ambient temperature is too high.
	Fault code 03	Battery is over-charged.	Return to repair center.
		The battery voltage is too high.	Check if spec and quantity of batteries are meet requirements.
	Fault code 06/22	Output abnormal (Inverter voltage below than 190Vac or is higher than 260Vac)	1. Reduce the connected load. 2. Return to repair center
	Fault code 08/09/15	Internal components failed.	Return to repair center.
	Fault code 13	Over current or surge.	Restart the unit, if the error happens again, please return to repair center.
	Fault code 14	Bus voltage is too low.	
	Fault code 16	Output voltage is unbalanced.	
	Another fault code		If the wires is connected well, please return to repair center.



**SHENZHEN HEHEJIN INDUSTRIAL CO.,LTD**

---

**Tel/Fax:** +86 755-28219903

**Email:** [support@powmr.com](mailto:support@powmr.com)

**Web:** [www.powmr.com](http://www.powmr.com)

**Add:** Henggang Street, Longgang District, Shenzhen, Guangdong, China