

This document is a simple introduction for using DIASINE® series pure sine wave inverter. For more detail, please refer the user's manual from our website (refer to the QR code on the right).

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Important Safety Information

Do Not Disassemble

No open flame

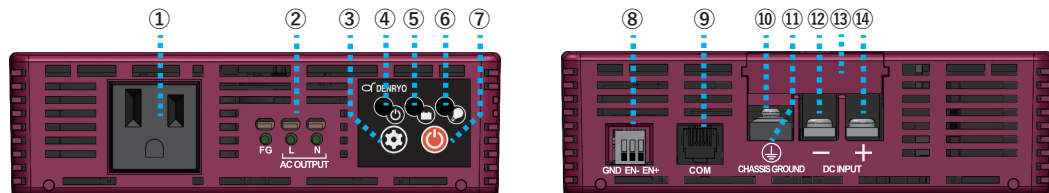
Keep Dry

Do Not Stack

Danger High Temperature

Keep Air Ventilation

1. Features



Front Panel			Rear Panel		
① AC outlet	② AC output terminal	③ Setup button	④ Status LED	⑧ Remote connector	
⑤ Battery LED	⑥ Load LED	⑦ Power ON/OFF button	⑨ Optional port	⑩ Grounding terminal	⑪ Reverse polarity connection warning LED
⑫ DC input terminal (-)	⑬ Terminal cover	⑭ DC input terminal (+)			

*For detailed operation of each part please refer to the user's manual.

2. Button Operation and LED Indication

(1) Button Operation

Status	Setup button	Power ON/OFF button
Standby	Indication of the setting (3sec) Long press: move to setup mode	GD:Start the output GR:Output disable*
Output AC	Indication of the setting (button down)	Stop the output
Setup mode	Select the setting Long press: change the setting item	Finish setup, move to standby mode

*For detailed operation of each part please refer to the user's manual.

(2) Normal AC LED Indication

LED color	Status LED	Battery LED*	Load LED
Orange	Standby	---	---
Yellow blink	Over temperature alarm	Input voltage 10.5-11.5Vdc	Output over 100%
Yellow	---	Input voltage 11.5-12.0Vdc	Output 70-100%
Green	Power ON	Input voltage 12.0-14.0Vdc	Output 40-70%
Blue	Power ON Remote mode	Input voltage 14.0-16.5Vdc	Output 0-40%
Purple	---	Input voltage 16.5-18.5Vdc	---
Purple blink	---	Input voltage 18.5-19.5Vdc	---

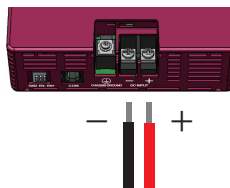
* All voltage listed are for nominal 12 Volt model. Multiply the voltage by 2 for 24 Volt model or by 4 for 48 Volt model.

(3) Error LED Indication

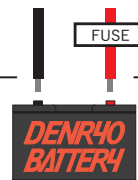
LED color	Status LED	Battery LED	Load LED
Red blink	Abnormal output(GR only)	Input under voltage	AC output failure
Red solid	Over temperature	Input over voltage	Over load, Output short circuit

3. Instruction

(1) DC wiring



A. Wiring the input terminal.
Connect the grounding terminal to earth ground if necessary. When wiring finished, please return the terminal cover.
*Terminal width 9mm, screw M4
*Recommend wire size 8AWG-

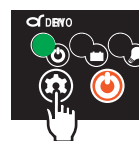


B. Put the fuse between battery and inverter on the positive side. The LED in front of grounding terminal will show red if reverse polarity, please correct the wiring again.

(2) Setup



a. Press and hold the setup button (for 2 secs or more). After the buzzer sound.



b. Press the setup button to change the setting value, or long press the setup button to change the setting item.



c. Press and hold the power button (more than 2 seconds). All LEDs will light up in the color you set and the settings will be saved.

■ Setup mode LED Indication *For detailed operation of each mode please refer to the user's manual.

LED color	Status LED			Battery LED	Load LED	
	Mode(GD)	Mode(GR)	Frequency	Output voltage	Buzzer	Brightness
Green	Low power	Output disable	50Hz	100Vac	ON	Normal
Yellow	Low power	Output disable	60Hz	110Vac	ON	Low
Blue	Normal	Single output	50Hz	115Vac	OFF	Normal
Purple	Normal	Single output	60Hz	120Vac	OFF	Low

(3) Start and Stop



Press the power button. After the startup sound, output starts. The default setting is low power(GD), Output disable(GR) 50Hz, 100Vac buzzer ON, LED normal brightness mode.



Connect the load to the AC outlet. Press the power button to stop the output and enter the standbymode.

WARRANTY

Thank you very much for your purchase. To make a claim under the warranty, confirm the User's manual to be certain that there is a problem with the product.

- Please keep your warranty document safe. Without a valid warranty you cannot accept a warranty service. Upon modifying contents of this warranty document, the document is deemed to be invalid.
- DENRYO CO., LTD. warrants original purchase against defects in material and workmanship for period of THREE (3) years from Shipment Date to buyer. The extension shall in no case exceed THREE POINT FIVE (3.5) years in aggregate.
- DENRYO CO., LTD. shall not warrant product under the following conditions:
 - *Damage by accident, negligence at operation, incorrect directions for use (e.g. Damage by not using with the exact way User's manual and original label say)
 - *Damage by other devices are connected to our product
 - *Breakdowns due to the effects of natural disasters, pollution, salt damage
 - *Made a claim after passing warranty period
 - *Damage by any transactional problems not attributable to DENRYO CO., LTD. (e.g. Damage by accident during transportation without other than our packing)
 - *Unauthorized remodel by other than our serviceperson
 - *Lack an original label includes serial number
- Buyer shall bear the shipping charge when return the defective products.

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Model Name:

Serial No. :

Dealer :

Sale Date :

(yyyy/mm/dd)

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