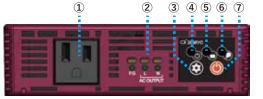
DIA SINE Quick Start Guide Ver.1.03E DENRYO

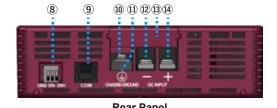
This document is a simple introduction for using DIAsine® series pure sine wave inverter. For more detail, please refer the user's manual from our website (refer to the QR code on the right).

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1. Features





CE

FC

X

RoHS

Front Danol

FIOILFaller					Real Fallel			
1	AC outlet	2	AC output terminal	3	Setup button	4	Status LED	
(5)	Battery LED	6	Load LED	1	Power ON/OFF button	8	Remote connector	
9	Optional port	10	Grounding terminal	1	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)	Start the output	
Standby	Long press: move to setup mode		
Output AC	Indication of the setting (button down)	Stop the output	
Cotup mode	Select the setting	Finish actum mays to standby made	
Setup mode	Long press: change the setting item	Finish setup, move to standby mod	

(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 16.5-17.0Vdc		

* 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		Input under voltage	AC output failure	
Red solid	Over temperature	Input over voltage	Over load, Output short circuit	

3. Instruction

(1) DC wiring



b. Wiring the input terminal. a. Place the inverter on a flat surface and remove the terminal cover. wiring finished, please return the

*For installation, please refer to the user's manual.

(2) Setup



a. Press and hold the setup button (for 2 seconds or more).

b. After the buzzer sound, only the status LED lights up. Press the setup button to change the setting value, or long press the setup button to change the setting item.

Connect the grounding terminal to

earth ground if necessary. When

*Terminal width 9mm, screw M4

*Recommend wire size 8AWG-

terminal cover.

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c. 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.

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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

LED color	Status LED		Battery LED	Load LED		
LED COIOI	Mode	Frequency	Output voltage	Buzzer	Brightness	
Green *1	Low Power *2	50Hz	100Vac	ON	Normal	
Yellow	Low Power *2	60Hz	110Vac	ON	Low	
Blue	Normal	50Hz	115Vac	OFF	Normal	
Purple	Normal	60Hz	120Vac	OFF	Low	

*1 Default Setting.

*2 The low power mode suppresses the power consumption when a low load is using. Please refer to the user's manual for more detail.

(3) Start and Stop



Press the power button. After the startup sound, output starts. The default setting is Low Power Mode, output 100 Vac, 50Hz, buzzer ON, LED normal brightness mode.

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

DM-5303