

Hybrid Inverter

SUN-5K-SG01HP3-EU-AM2

SUN-6K-SG01HP3-EU-AM2

SUN-8K-SG01HP3-EU-AM2

SUN-10K-SG01HP3-EU-AM2

SUN-12K-SG01HP3-EU-AM2

SUN-15K-SG01HP3-EU-AM2

SUN-20K-SG01HP3-EU-AM2

SUN-25K-SG01HP3-EU-AM2

User Manual



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About This Manual

The manual mainly describes the product information, guidelines for installation, operation and maintenance. The manual cannot include complete information about the photovoltaic (PV) system.

How to Use This Manual

Read the manual and other related documents before performing any operation on the inverter. Documents must be stored carefully and be available at all times.

Contents may be periodically updated or revised due to product development. The information in this manual is subject to change without notice. The latest manual can be acquired via service@deye.com.cn

1. Safety Introductions

Safety signs



The DC input terminals of the inverter must not be grounded.



Surface high temperature, Please do not touch the inverter case.





The AC and DC circuits must be disconnected separately, and the maintenance personnel



Prohibit disassembling inverter case, there existing shock hazard, which may cause serious injury or death, please ask qualified person to repair.



Please read the instructions carefully before use.

must wait for 5 minutes before they are completely

powered off before they can start working.

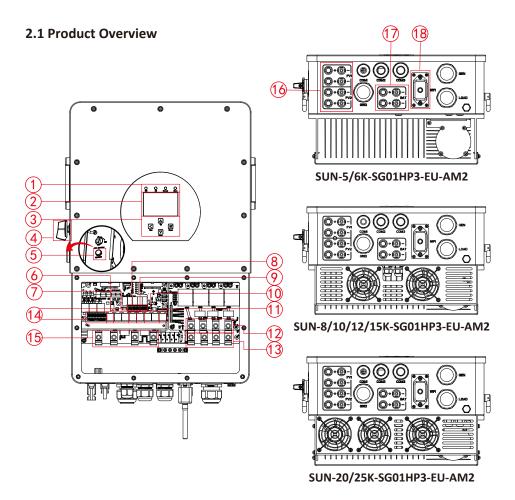


Do Not put it in the waste bin! Recycle it by licensed professional!

- · This chapter contains important safety and operating instructions. Read and keep this manual for future reference.
- · Before using the inverter, please read the instructions and warning signs of the battery and corresponding sections in the instruction manual.
- Do not disassemble the inverter. If you need maintenance or repair, take it to a professional service center.
- · Improper reassembly may result in electric shock or fire.
- · To reduce risk of electric shock, disconnect all wires before attempting any maintenance or cleaning. Turning off the unit will not reduce this risk.
- · Caution: Only qualified personnel can install this device with battery.
- Never charge a frozen battery.
- · For optimum operation of this inverter, please follow required specification to select appropriate cable size. It is very important to correctly operate this inverter.
- · Be very cautious when working with metal tools on or around batteries. Dropping a tool may cause a spark or short circuit in batteries or other electrical parts, even cause an explosion.
- · Please strictly follow installation procedure when you want to disconnect AC or DC terminals. Please refer to "Installation" section of this manual for the details.
- Grounding instructions this inverter should be connected to a permanent grounded wiring system. Be sure to comply with local requirements and regulation to install this inverter.
- Never cause AC output and DC input short circuited. Do not connect to the mains when DC input short circuits.

2. Product Introductions

This is a multifunctional inverter, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user configurable and easy accessible button operation such as battery charging, AC/solar charging, and acceptable input voltage based on different applications.



1:	Inv	erter	indi	ıcat	ors	ò

2: LCD display

3: Function buttons

4: DC switch

5: Power on/off button

6: Meter port

7: Parallel port

8: CAN port

9: DRM port

10: BMS port

11: RS485 port

12: Generator input

13: Load

14: Function port

15: Grid

16: PV input with two MPPT

17: Battery input

18: WiFi Interface