

**130.000m<sup>2</sup>**  
Factory Area

**1,500,000**  
Annual Production Capacity

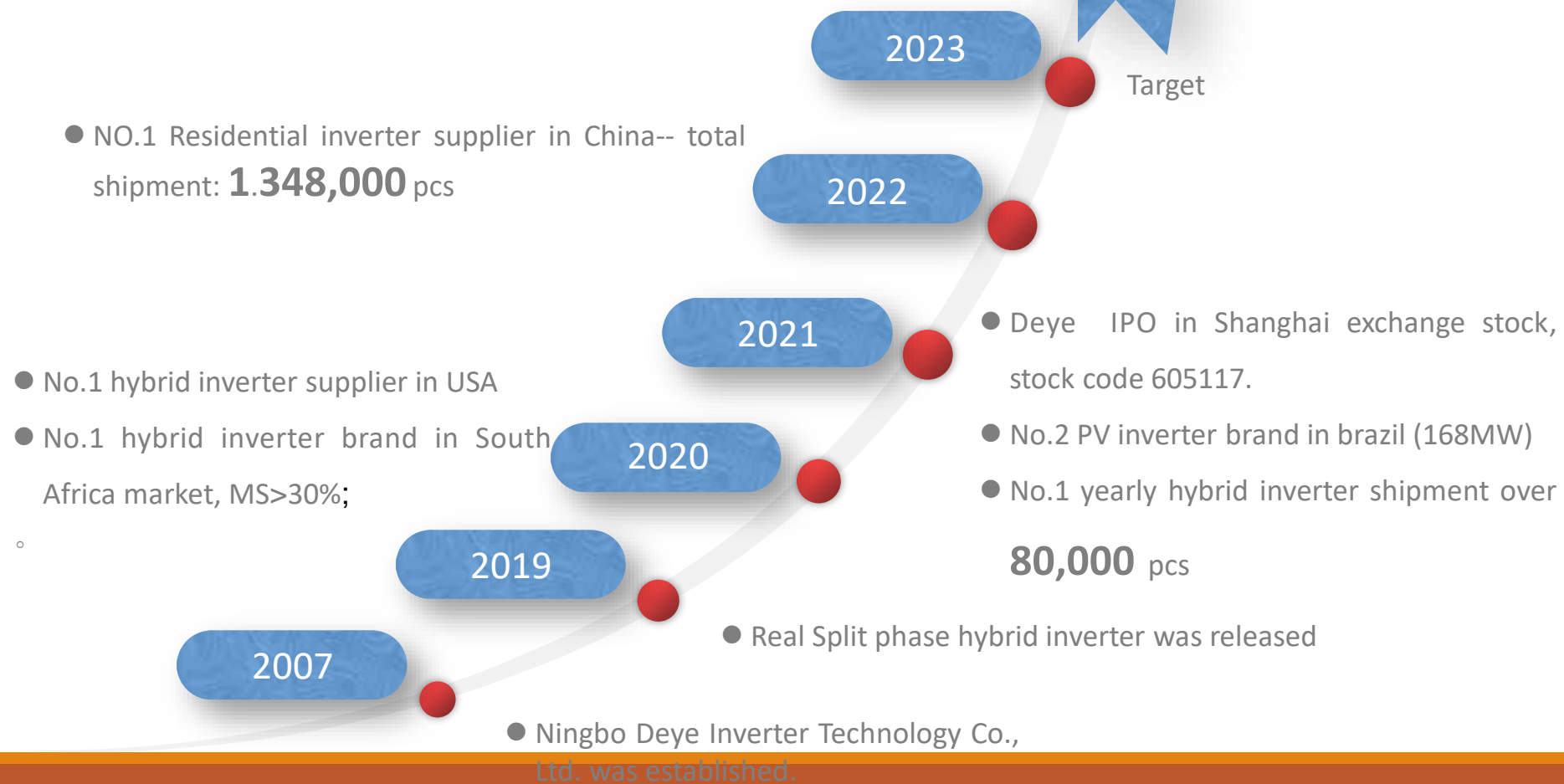
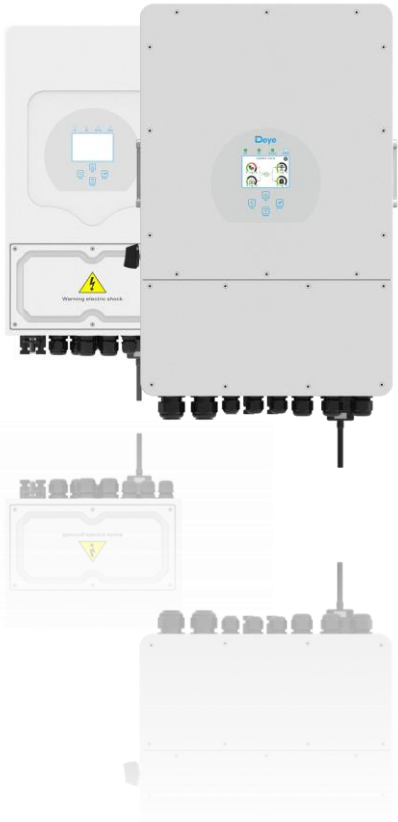
**200+**  
R&D Engineer

**21**  
Laboratory

- ◆ Ningbo Deye Technology Co., Ltd. is a large-scale manufacturing technology enterprise integrating R&D, design, production, sales and services.
- ◆ Deye has five core industrial chains:
  - The solar inverter system
  - The Li battery energy storage system
  - The frequency conversion control system
  - The environmental electrical appliance series
  - The heat exchanger series

Ningbo Deye Inverter Technology Co., Ltd. founded in 2007 with registered capital 300 million RMB, is one of the China's high-tech enterprises and a subsidiary of Deye Group. With a plant area over 130,000m<sup>2</sup> and complete production and testing equipment, Deye has become a major player in the global solar inverter market.

# Company Profile: Milestone



## Company profile/ Sales network





# Sol-Ark Solar Energy Products

The Most Advanced Solar Hybrid Inverters Available On The Market.  
Built to provide Limitless Energy Independence to homeowners and business owners.

[Product Catalog](#)[LATAM Products](#)



## Our Products

Meet Our Outstanding Parallelable Hybrid Parity Inverters & Batteries.

[LEARN MORE >](#)



## Our Batteries

Bringing Power Storage into the 21st Century

[Sunsynk 5.32kWh Battery](#)

[Sunsynk L5.1 Battery](#)

[Sunsynk L3.0 Battery](#)



## Find out more about our inverters

Unsure on what you need, would you like to know more?

[LEARN MORE >](#)

## DURACELL POWER CENTER **MAX HYBRID**

A TRUE POWERHOUSE



Clean, safe, reliable power – at your fingertips and on demand.



Smart energy savings by syncing with time of use rate plans



Stackable batteries for fully customizable power solutions



10-year warranty,  
12-years on Power Controls

LEARN MORE

I'm a Homeowner

I'm an Installer





GRACE SOLAR ENERGY  
POSTED ON JIJI



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QR Code  
S210165494

**Jinko Solar**  
**Power Conversion System**  
**Model Name: JKS-10K-SG04LP3-EU**

**Charge Mode**  
Battery Voltage 48Vd.c.(40V-60V)  
Battery Current 210Ad.c. Max  
AC Input Voltage 220/380,230/400Va.c  
AC Input Rated Current 15.2/14.5Aa.c  
Max AC Input Power 11000W  
PV Input Voltage 550V(150V-800V)  
MPPT Input Range 200-625Vd.c  
PV Input Current 26Ad.c. Max  
Max PV Input Power 13000W

**On-Grid Mode**  
AC Output Voltage 220/380,230/400Va.c  
AC Output Rated Current 15.2/14.5Aa.c  
Max Output Power 11000W  
Battery Discharge Voltage 40-60Vd.c  
Battery Discharge Current 210Ad.c. Max  
Battery Discharge Power 10000W

**Off-Grid Mode**  
AC Output Voltage 220/380,230/400Va.c  
AC Output Rated Current 15.2/14.5Aa.c  
AC Output Power 11000W  
Peak Output Power 20000W 10s  
Battery Discharge Voltage 40-60Vd.c  
Max Discharge Current 210Ad.c.  
AC Output Frequency 50/60Hz  
IP Grade IP65  
Operating Temperature -25--+60°C

CE, RoHS, REACH, UL, IEC, ISO 9001, ISO 14001



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## Solution/Core

String  
Inverter

1-110kW

Micro  
Inverter

300-2000W

Hybrid  
Inverter

3-50kW



LiFePO4 Battery

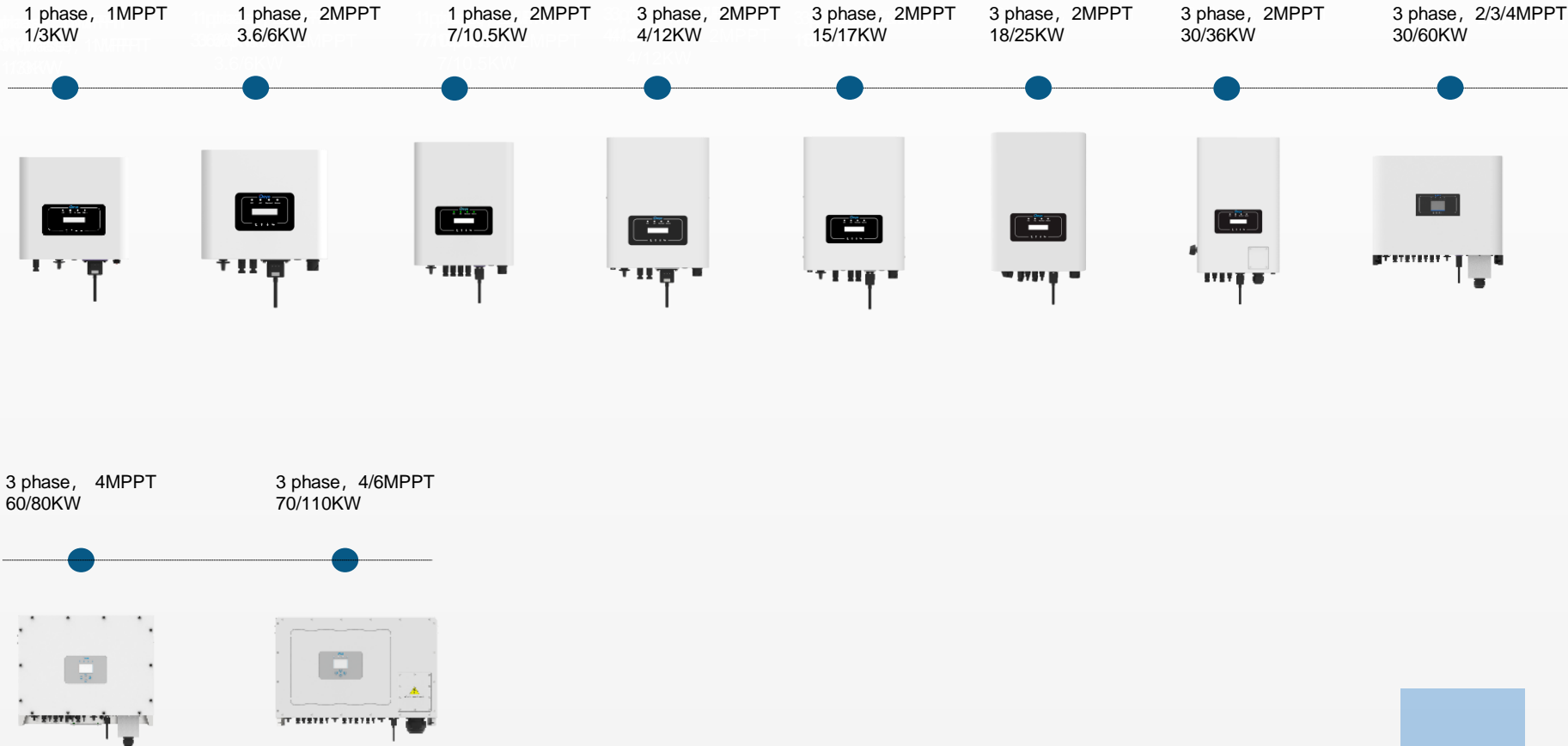
residential to C&amp;I

# Solution/Core Product

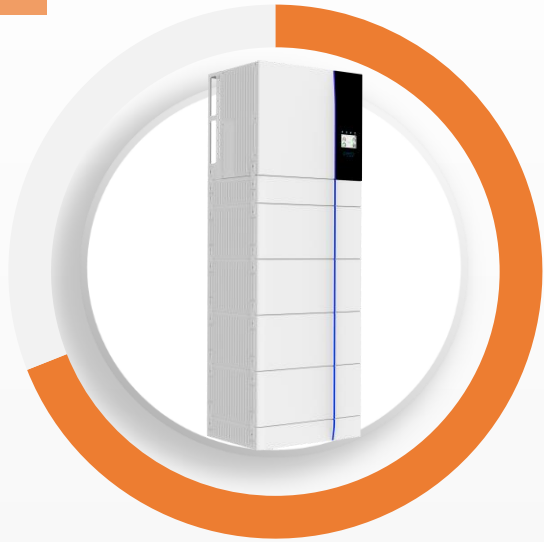


## String Inverter

1-110kW



# Solution/Core Product

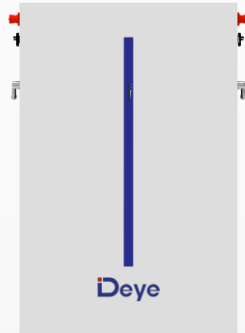


LiFePO4 Battery

residential to C&I

Spring series

RW-M6.1



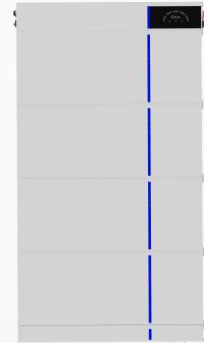
Wall-mounted type, 48V

SE-G5.1 Pro



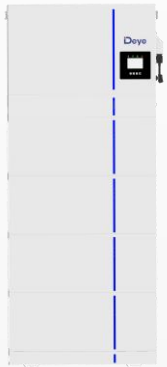
Rackable type, 48V

AI-W5.1



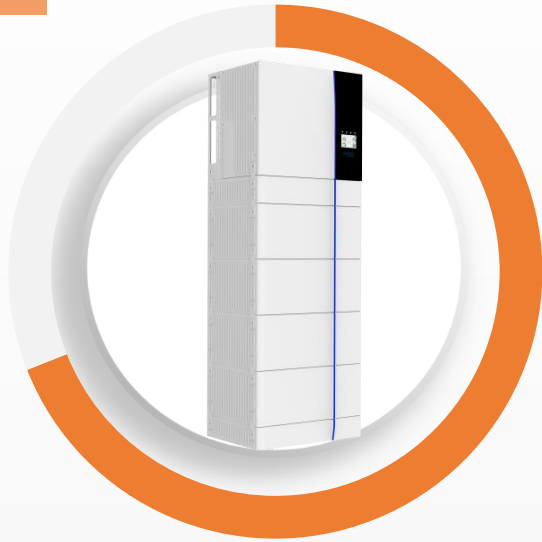
Stackable type, 48V

AI-W5.1-ESS



All in One ESS, 48V

# Solution/Core Product



LiFePO4 Battery

residential to C&I

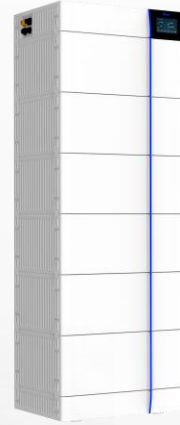
Summer series

BOS-G



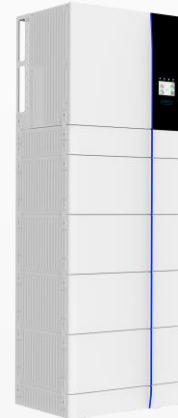
Rackable type HV

GB-L



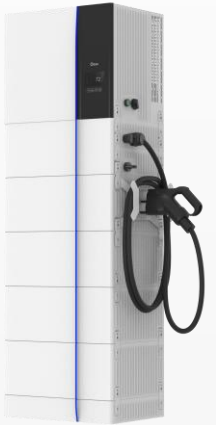
Stackable type HV

GB-SL

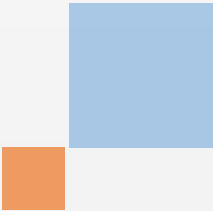


All in one ESS HV

GB-SCL



All in One ESS Plus HV



# Three Phase Hybrid Inverter

## SUN-30K-SG01HP3-US-BM3-277V

## SUN-40/50/60K-SG01HP3-US-BM4-277V



- 100** 100% unbalanced output, each phase
- AC** AC couple to retrofit existing solar system
- 10** \*Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 100** Max. charging/discharging current of 100A
- H** High voltage battery, higher efficiency
- 6** 6 time periods for battery charging/discharging
- GEN** Support storing energy from diesel generator

Inversor Trifasico de 30KW  
Cantidad : 7  
Total potencial : 210KW

**SUPERMERCADO**

Almacenamiento: 7 Rack  
Energia total : 420 KWh  
Energia por Rack : 60 KWh

# SOLUCIONES PORTATILES

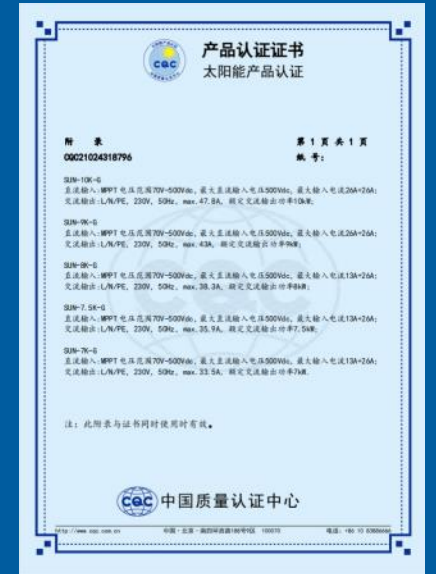
- ◆ Eventos
- ◆ Refrigeracion
- ◆ Planta estadio
- ◆ Sistema de respaldo







# R&D and Innovation/ Product certification



# R&D and Innovation/ Product certification

EN50549

01

IEC

02

UL1741

03

VDE 4105

04

VFR

05

CEI 0-21

06

RD1699

07

Inmetro

The collage displays several certification documents:

- ENAC Certificate of Conformity:** Issued to Ningbo Deye Inverter Technology Co., Ltd. for models SUN-6K-009, SUN-6K-009-001, and SUN-10K-009.
- SGS Certificate of Conformity:** Certificate No. 20200211-CER, covering models SUN-6K-009, SUN-6K-009-001, and SUN-10K-009.
- SGS Certificate of Conformity:** Certificate No. 20190902ND-01-CER, covering models SUN-6K-G, SUN-6K-G, and SUN-10K-G.
- SGS Certificate of Suitability:** Certificate No. SGS/190766, issued to Ningbo Deye Inverter Technology Co., Ltd. for hybrid PV inverters.
- Bureau Veritas Test Report CEI 0-21:** Reference technical rules for the connection of active and passive users to the LV networks of electrical distribution companies.
- Bureau Veritas Test Report XP C15-712-3:** Photovoltaic installations with energy storage and connected to a public distribution network.

# 开创可持续能源方案 Pioneering Sustainable Energy Solution

## 储能逆变器

SUN-3K-SG04LP1-EU

SUN-8K-SG01LP1-EU

SUN-12K-SG02LP1-EU-AM3

SUN-16K-SG01LP1-EU

SUN-20K-SG01HP3-EU-AM2

## 储能电池

AI-WS-1-B-ESS

GB-SL

GB-SCL

ting  
ties





# Deye in EXPO MEDELLIN 2023

## Medellin Colombia

Booth babbellon blanco 7 Time: Oct 04~06



# Our Factory

Deye is expanding with the development of its businessis expanding with the development of its business



**HQ:BeiLun**



**BinHai Development Zone**



**Shanghai Hongqiao**



**Beilun 246 smart Factory**



**Jiaxing Haiyan**



**Jiaxing Haining**

# Manufacturing Strength

Automated state-of-the-art production facilities

Contamos con más de 50 procesos de inspección en fábrica.



Production-workshop



Production-workshop



SMT-1



SMT-2



## Project Cases Reference



South Africa

16KW Residential energy storage System

SUN-8KW-SG,2pcs in parallel



South Africa

32KW Small commercial power plant

SUN-8KW-SG,4pcs in parallel



## Project Cases Reference



Iraq

5KW Residential energy storage system

Deye SUN-5KW-SG



Germany

10KW Residential energy storage system

Deye SUN-8KW-SG, 4pcs in parallel





## Project Cases Reference



Vietnam

24KW storage power plant

Deye SUN-8KW-SG, 3pcs in parallel



**Deye** 德業



Vietnam

5KW Residential energy storage system

Deye SUN-5KW-SG



Vietnam

48KW Residential storage power system

Deye 12KW, SUN-12K-SG(3 phase)

4pcs in parallel



## Project Cases Reference



Vietnam

24KW storage power plant

Deye SUN-12KW-SG(3 phase),2pcs in parallel



The house name:

THIEN VIEN CHON KHONG

In Vung Tau




Vietnam

36KW Energy storage system

Deye SUN-12K-SG (3 phase)


3 pcs in parallel

## Project Cases Reference

-  Philippines
- 48KW Small commercial storage power plant
- Deye SUN-8KW-SG(3 phase),6pcs in parallel




**Deye** 德業

-  Philippines
- 5KW Residential energy storage system
- Deye SUN-5KW-SG



-  Philippines
- 8KW Residential energy storage system
- Deye SUN-8K-SG

-  Philippines
- 24KW Residential Energy storage system
- Deye SUN-8K-SG(3 phase)
- 3pcs in parallel



## Project Cases Reference



New Zealand

10KW Residential energy storage system

Deye SUN-5KW-SG, 2pcs in parallel



Thailand

Deye 8KW Hybrid inverter AC  
coupled with Huawei 5KW on-grid  
inverter

Deye SUN-8K-SG(3 phase)



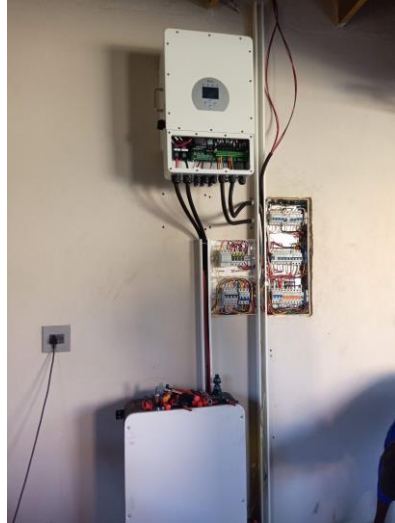
## Project Cases Reference



South Africa

12KW Residential energy storage system

Deye SUN-12KW-SG( 3 phase)

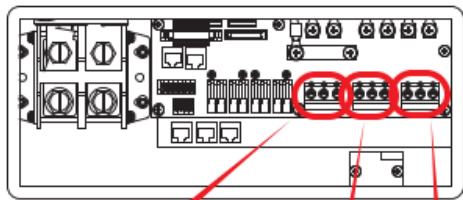


South Africa

8KW Residential energy storage system

Deye SUN-8KW-SG

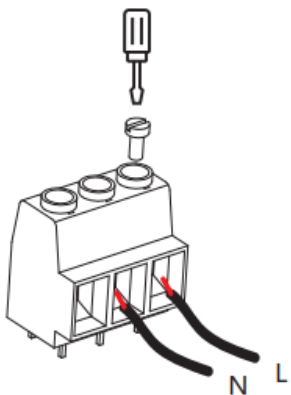




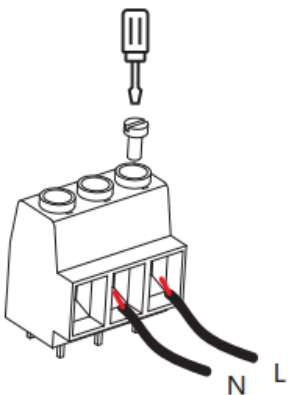
GRID

GEN PORT LOAD

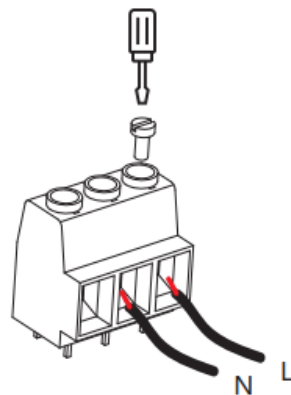
(Region:EU)



GRID

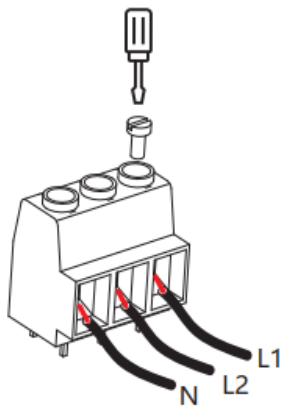
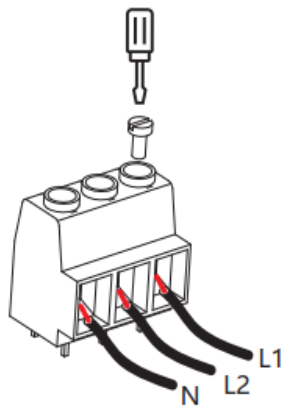
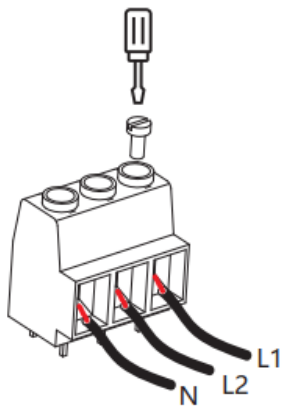


GEN PORT



LOAD

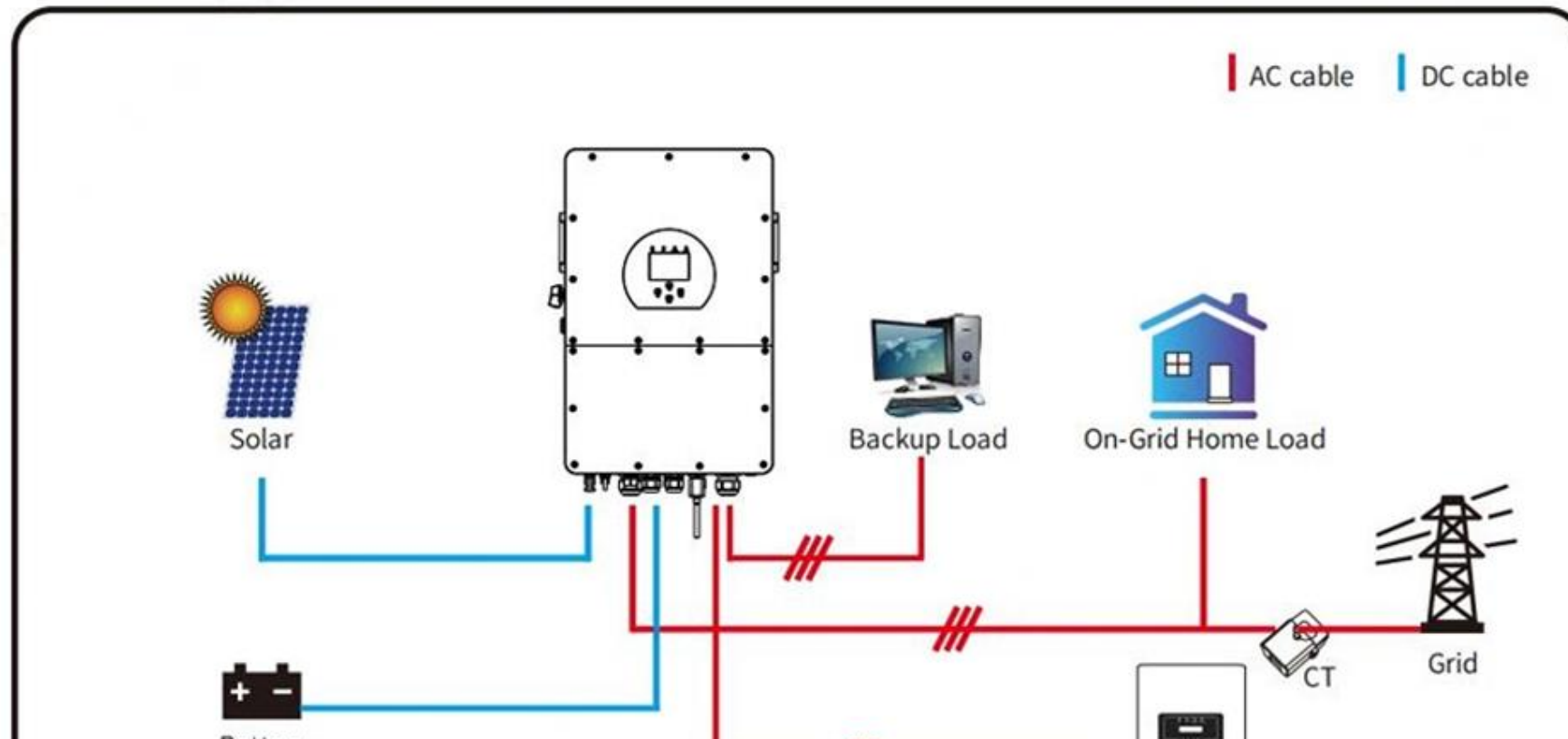
(Region:US)



# Instruction of AC couple

## 1. For three phase hybrid inverter

The AC couple function only support to connect the on-grid inverter(includes microinverter) to the GEN port of hybrid inverter.



# Thank You

**Deye & Renewables: To make this world a better place!**