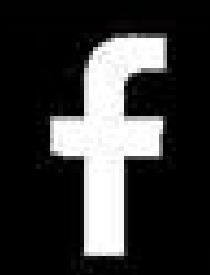


7 Years Dedicated  
Inverter Manufacturing



“ WHY  
CHOOSE  
SUNWAY? ”



 **SUNWAYTECH**  
SUNWAY SOLAR CO.,LTD



**1**

# **ABOUT SUNWAY**

# Top-Brand Components

## CAPACITOR

**nichicon** **CAPXON**

China/Japan



## CURRENT TRANSDUCER

**VAC** **LEM**

Germany/Switzerland

## IC

**TEXAS INSTRUMENTS**

America



## MCU

**NXP** **ST**

Netherlands/Italy&France

## DC SWITCH

**ZBENY**

China



## IGBT

**infineon**

**Vincotech**

**ST**

America/Germany/Italy&France

## DIODE

**Microsemi**

**IXYS**

America

## COOLING FAN

**DELTA**

**NMB**

Japan/Taiwan

## RELAY

**Panasonic**

**HONGFA**

China/Japan



We offer not just good products, but also high-efficient local support to our partners and users throughout the inverter life span. Make sure the customers receive reliable returns by choosing sunway!

# What We Have Achieved?



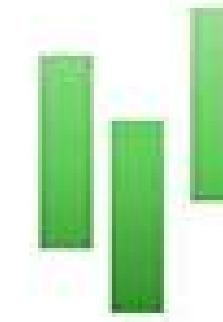
**600** thousand of sold inverters around the world.



**35** million USD of annual sales in 2022.



Top **10** String inverter brand in China.



# Global Market



Over **80** countries and areas installed SW inverters, total installation capacity is **5GW**. Among them, SW inverters have a market share of about **10-15%** in some markets.



## After Sales

SUNWAY has set up local warehouses and distribution services in many countries and regions. That ensures quicker responses to customer demand and commitment to three working days delivery.





**2**

## **PRODUCTS INFO**

# PV String Inverter & PV Storage Inverter



# Residential KTL1 Solar Inverters

The Sunway KTL1 Series Single-phase inverters are designed for residential PV system applications, rating from 1kW to 10kW.



Single phase (1-3kW)



Single phase (3-6kW)



Single phase (7-10kW)

# Commercial & Power Plants KTL3 Solar Inverters

The SW KTL3 Series Three-phase string inverters are designed for commercial and power plant PV system applications, rating from 3kW to 60kW.



Three phase (3-25kW)



Three phase (30kW)



Three phase (36-40kW)

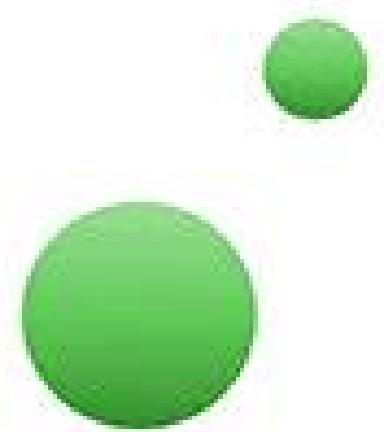


Three phase (50-60kW)

➤ **US Hybrid Inverter (3-9.6kW)**



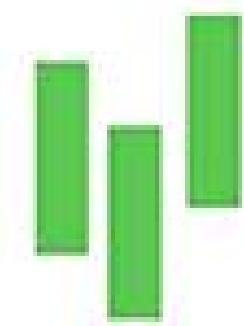
➤ **EU Hybrid Storage Inverter**  
**Single Phase 1-6kW**  
**Three Phase 3-30kW**





**3**

**KTL3 series 3-60kw**



# KTL3 Series PV String Inverter 3-60kW



## MPPT RANGE

Wide MPPT Range



## PV OVERSIZE

1.5 Times PV Oversize



## DC 1100V

Max. DC 1100V



## PROTECTION

Build-in SPD Type II



## UPDATE

Remote Firmware Update



## SMART

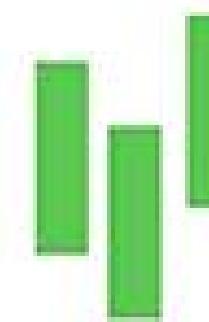
Smart IV Curve Scanning



## UNIBODY

One-piece Aluminum Housing





## KTL3 Series PV String Inverter 3-60kW



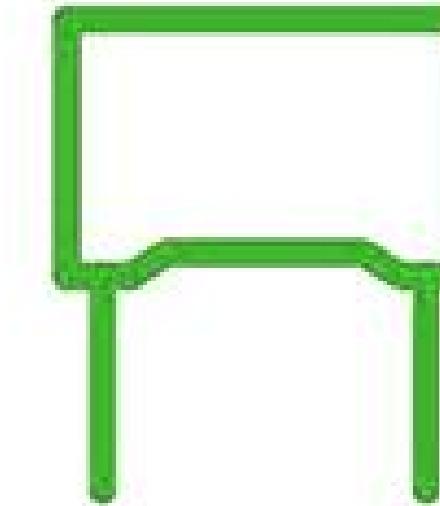
**Compatible with bifacial  
modules**

High DC input current&strong  
overload ability.



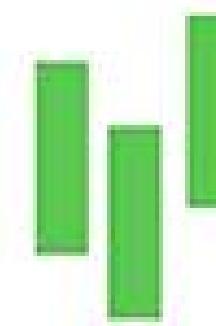
**Quick Arc Fault circuit interruption  
(Optional)**

Equipped with mature series arc  
detection and can shut down the  
inverter rapidly, which can prevent arc  
hazards in rooftop PV systems in  
complex environments.



**Thin film capacitor design, higher  
reliability**

Thin film capacitor has 5 times of longer  
life than the electrolytic capacitor((under  
the same conditions of use, and the  
temperature is less than 70 degrees).



## KTL3 Series PV String Inverte 3-60kW



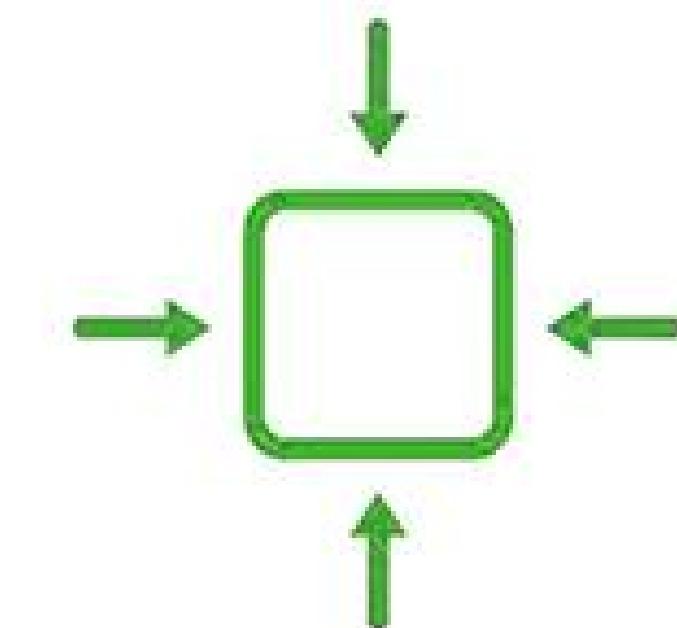
### IP68 fan design

Control the fan according to the ambient temperature, good heat dissipation makes the inverter life longer.



### String level monitoring

Find the early issues of the PV panels timely and analyze whether there is a fault. Quickly determine its type when fault happens and precisely locate the failed PV string.



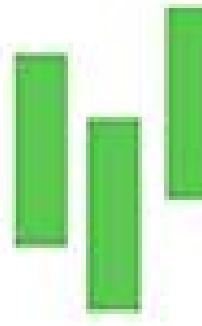
### Smaller & lighter

Transportation cost down, and easy to install.



**4**

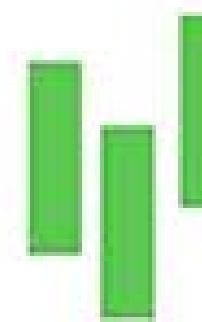
## **KHP2-US series Hybrid 3-9.6kw**



## KHP2-US Hybrid Inverter 3-9.6kW



- The US Series storage Inverters are designed to increase energy independence for homeowners. The power range is from 3.0kW to 9.6kW, compatible with high voltage (80-495V) batteries.
- Energy management is based on time-of-use and demand charge rate structures, significantly reduce the amount of energy purchased from public grid.
- Thanks for the UPS function (switch time < 10ms), enables the crucial loads power on during outages. Additionally, under the backup operation mode, the inverter provides you up to 150% peak output overloading.
- The US Series storage inverters meet the US safety regulations, integrated with Arc Fault Circuit Interrupter (AFCI) and Rapid Shutdown.



# KHP2-US Hybrid Inverter 3-9.6kW

Max.  
**1.5**

## PV OVERSIZE

1.5 Times PV Oversize



Maximum output 1.5 times



## PARALLEL

Max.6 Parallel Stacking

**3**  
MPPT

## MPPT CHANNELS

Up to 3 MPPT Channels



## MULTIPLE INPUTS

Support Generator  
& Wind Turbines

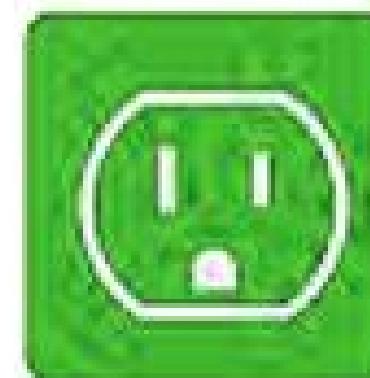
<10  
ms

## UPS FUNCTION

Switch Time < 10ms

Max.  
**EPS**  
9.6kW

EPS mode, the maximum output is 9.6kW



## SPLIT-PHASE

Support Split-phase (120/240Vac) Grid



No need Auto-transformer



5

# Certification

# Certifications And Standards

## EMC Standard

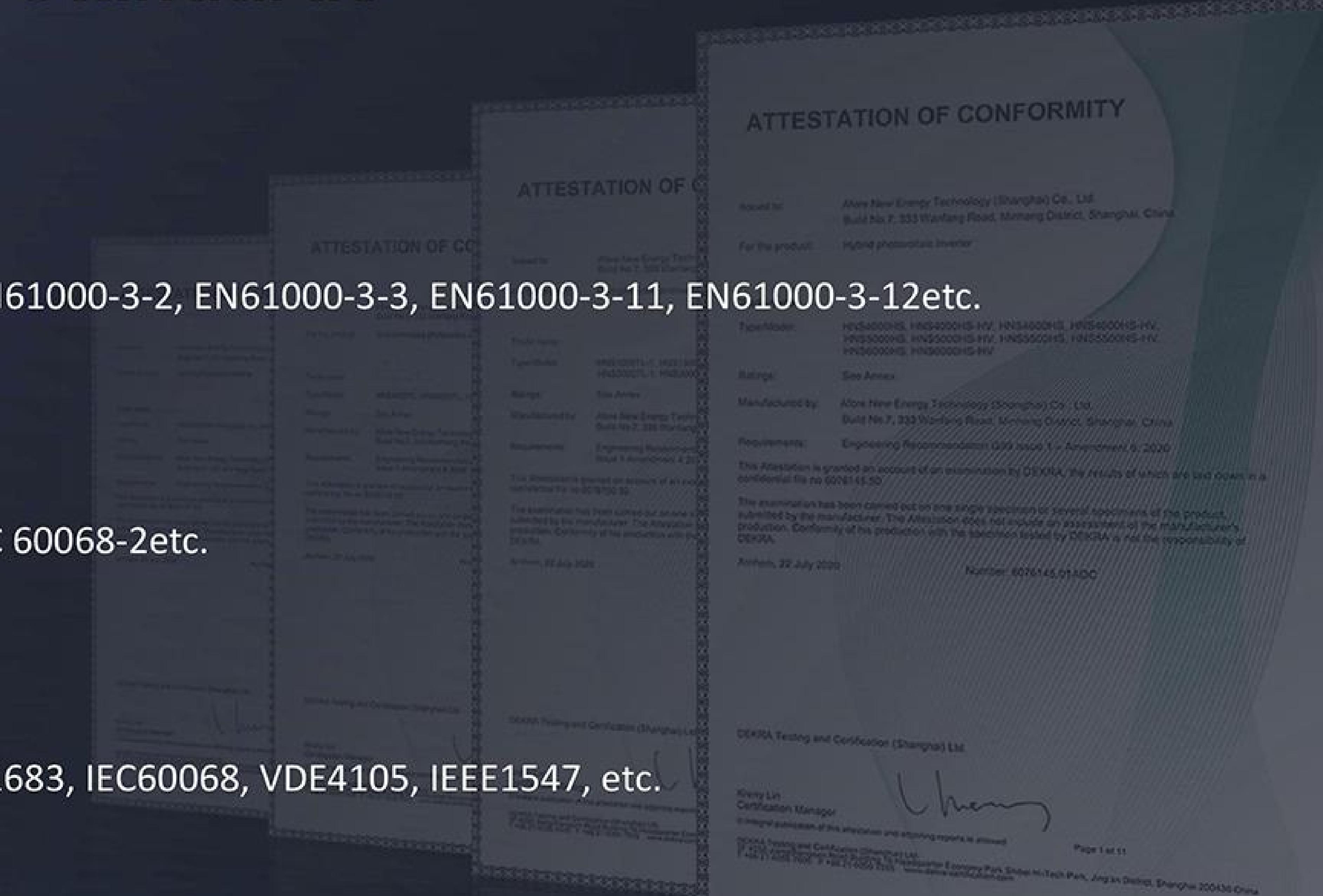
EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12etc.

## Safety Standard

IEC/EN62109-1, EN62109-2, UL1741, IEC 60068-2etc.

## Grid-Connection

EN50549-1, IEC61727, IEC62116, IEC61683, IEC60068, VDE4105, IEEE1547, etc.





**6**

# **Production Line And QC**



Strict Quality Control and Quality Assurance System

 SUNWAYTECH SUNWAYTECH SUNWAYTECH

Inside the high temperature chamber, every inverter goes through up to 8Hrs Aging Test without power degrade.



Over 70 Performance and Functional Tests Before Packing



20+ QC Points During Whole Process of Production



Production capacity extended by **4** times after upgrading



**5GW+** Shipped Globally



7

# Global Installation Case



Country: China  
Product: Three-phase 60kW  
Project Size: 0.5MW



Country: Ukraine  
Product: Three-phase 30kW  
Project Size: 30 kW



Country : Norway  
Product : Three-phase 15kW  
Project Size : 15kW

## Applications



SW inverters have been installed in Europe, Africa, China, India, Thailand, North America and South America, satisfying hundreds of thousands of users globally.

Country: Japan  
Product: Single-phase 5.5kW  
Project Size: 49.5kW





Product: Three-phase 30kW  
Project Size: 2.0MW



Product: Three-phase 20kW  
Project Size: 200kW



Product: Three-phase 30kW  
Project Size: 1.2MW



Product: Three-phase 20kW  
Project Size: 0.6MW



Product: Three-phase 30kW  
Project Size: 0.8MW



Product: Three-phase 30kW  
Project Size: 1MW



Product: Three-phase 30kW  
Project Size: 1.5MW



## China Series



Country: Poland  
Product: Single-phase 5kW  
Project Size: 5kW



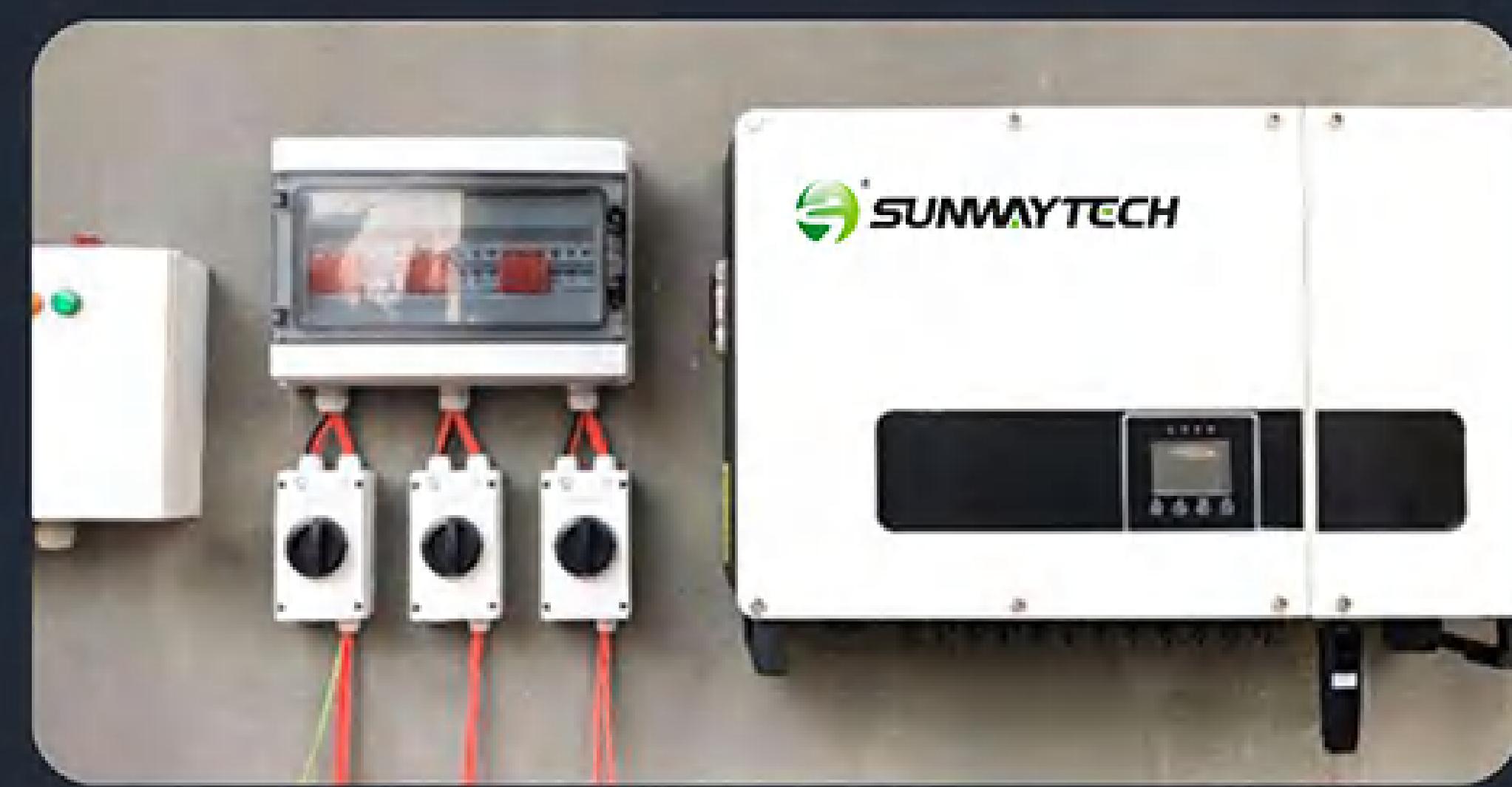
Country: Japan  
Product: Hybrid Inverter 6kW  
Project Size: 6kW



Country: Pakistan  
Product: Three-phase 6kW  
Project Size: 6kW



Country : Iran  
Product : Single-phase 5kW  
Project Size : 200kW residential community project



Country: Vietnam  
Product: Three-phase 60kW  
Project Size: 266kW

## » Applications



Country: Malaysia  
Product: Three-phase 60kW  
Project Size: 85kW

## » Applications



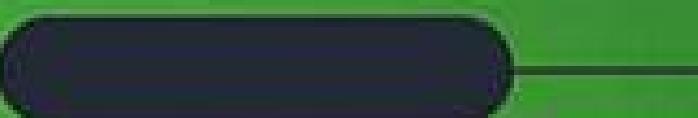
Country: Japan  
Product: Single-phase 5.5kW  
Project Size: 49.5kW



Country: Brazil  
Product: Three-phase 60kW  
Project Size: 5MW



Country: Ukraine  
Product: Three-phase 30kW  
Project Size: 30kW



SUNWAY Keeps Moving Forwards



“

# THANK YOU !

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