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24 January 2024

10:00 am - 11:00 am | GMT, London 11:00 am - 12:00 pm | CET, Berlin 12:00 pm - 1:00 pm | EET, Athen



Matthew Lynas

Editor

pv magazine



Inverters: Exploring solutions for European C&I projects



Simon Williams
European Service Director
Hopewind



Hakki Baris Karaca
Head of Europe
Hopewind

Welcome!



Do you have any questions? ?





Send them in via the Q&A tab. 👉 We aim to answer as many as we can today!

You can also let us know of any tech problems there.

We are recording this webinar today. 🕌



We'll let you know by email where to find it and the slide deck, so you can re-watch it at your convenience. ••







Empowering Your Business with Hopewind and Gaining More Value -

Efficient, Reliable, User Friendly

01 Company Introduction



Company Profile



Renewable and Electrical industries Leading industries 16 Focus on R&D and product development Years 2017 Main board listed on the Shanghai Stock **Exchange IPO** listing 100+ The cumulative shipment of renewable energy products reaches 100GW+ GW



Company Strengths









TOP 1

Market Leader of Wind Power Converters for Over 10 Years

More than 50 offshore wind farm projects, delivery capacity of offshore wind power converter exceeds 8GW.



TOP 6

TOP 6 PV Inverter Listed Company in China



TIER 1

Tier One Manufacturers of Energy Storage PCS Shipments for Utility in China

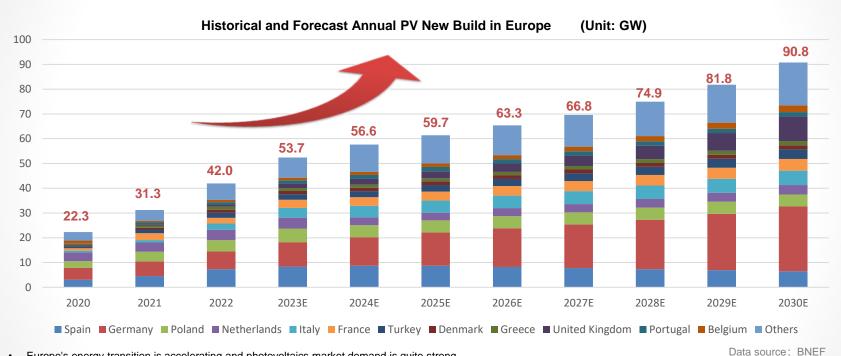


Cutting-edge C&I Solar Inverters and Solutions



Market Insight

EU Overall PV Market Demand Being Strong

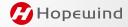


- Europe's energy transition is accelerating and photovoltaics market demand is quite strong.
- In 2022, the newly installed photovoltaic capacity in the European region is 42GW, and in 2023 it will reach 53.7GW.
- Renewable Energy Development Goals: REPowerEU plans to increase the proportion of renewable energy from 40% to 45% by 2030.
- Market growth of distributed inverters also has been proven surprising in EU



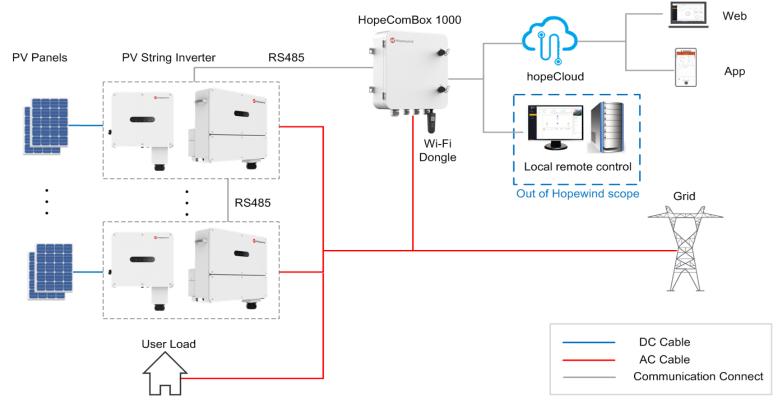
Product Overview

Hybrid	Residential		C&I	Utility
HYNV 5/6/8/10/12K-G01	HSSP 3/4/5/6/8/10K- G01	hopeSun 8/10/12/15/17/ 20/22/25/30/33KTL	HSNV 36/40/50/60/ 70/75/100/110KTL	hopeSunHV 250KTL HSHV 385K
**************************************	**Constant	To the second se	(Cheesened	HSNV /385k
Residential three-phase hybrid inverter 20A DC input.	Residential single-phase PV inverter, HS series, 20A DC input.	Residential three-phase 400V PV string inverter, 8~33kW	C & I three-phase 400V PV string inverter,36~110kW	Utility PV string inverter



C&I Multiple Inverters in Parallel System Solution

System Diagram





Key basis to empowering your business













- Max. 20A string current, compatible with all PV modules
- Multi-MPPT with Max. efficiency 98.60%



- Wider AC voltage range, high adaptability to unstable grid
- Smart air cooling, no derating at 45℃
- Modular design & high quality components
- Built-in PID recovery function (Optional for above 60KW)
- Night SVG function (Optional for above 60KW)



User Friendly

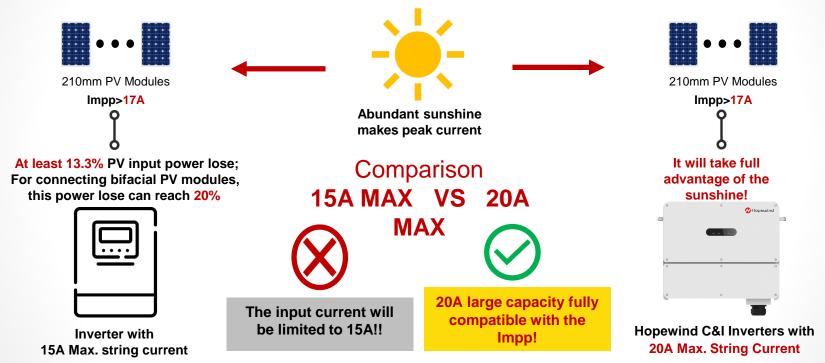
- Easy commissioning via APP
- Precise & intelligent operation monitoring (24/7)
- Simple and clear interactive interface



Efficient

20A Max. String Current, Compatible with All PV Modules

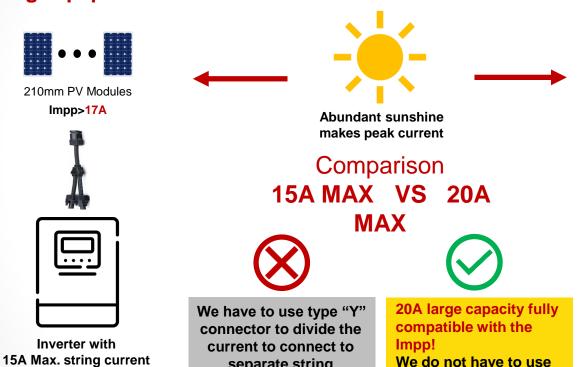
Supporting Unlimited PV Input Power and Improving Efficiency





Efficient

20A Max. String Current, Compatible with All PV Modules **Saving Equipment and Installation Cost**



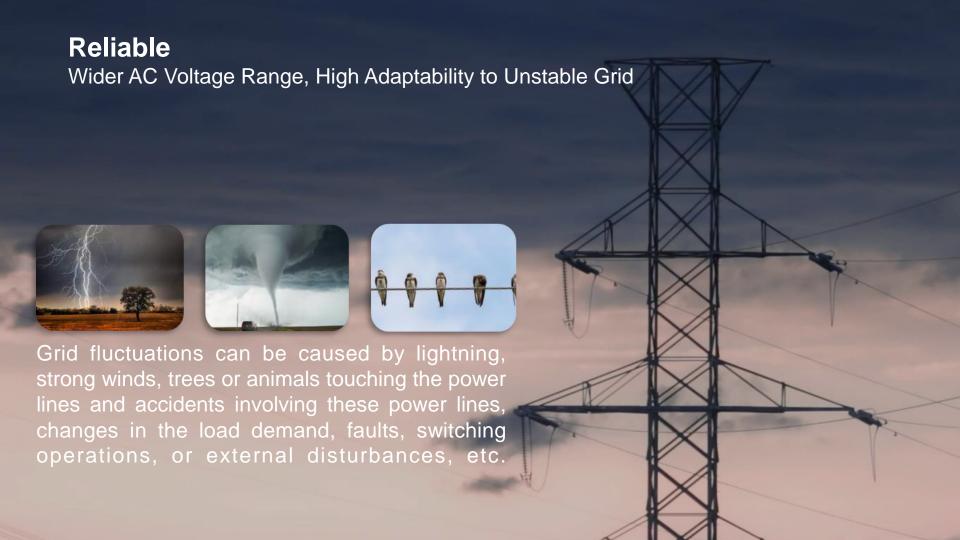
separate string

type "Y" connector!



Hopewind C&I Inverters with 20A Max. String Current

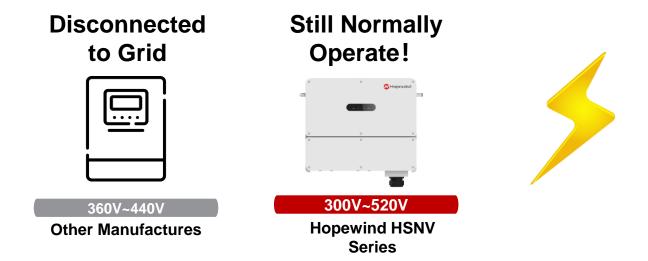




Reliable

Wider AC Voltage Range, High Adaptability to Unstable Grid

When grid voltage fluctuates by more than 10% and reach 450V!





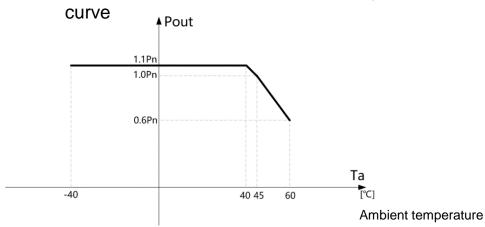
Reliable

Smart Air Cooling, No Derating at 45°C



Advanced Cooling System

HSNV110K-G01 temperature derating



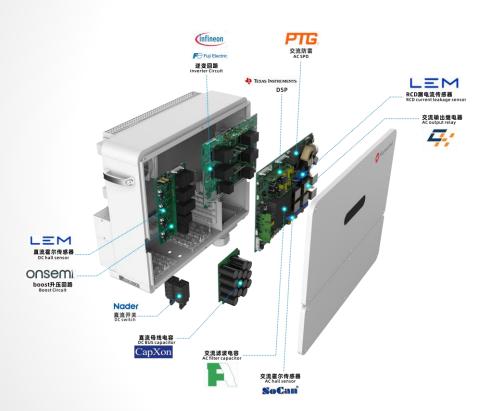
Components lifetime extends with lower operating temperature

Even at 40 $^{\circ}$ C, the inverter can support 110% AC overloading!



Reliable

Modular Design & High Quality Components



Capacitance & Inductance





































Connection & **Switching**













User Friendly

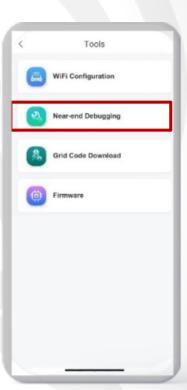
Easy Commissioning, No Fear of Poor Network Condition

Field Debugging

Optional Hopewind WLAN solution supports local area network, no worries about field network condition



- Enables users to download the package & country grid code on smartphone in advance.
- No need to download/upgrade the version on the field, more convenient and time-saving.





User Friendly

Precise & intelligent operation monitoring

System can be monitored and controlled via Hopecloud, 24hrs remote control

Hopecloud 24/7 monitoring, with real-time performance and analysis of inverter, enhances energy management for end users, installer and retailer.



Low O&M Cost | Quick Troubleshooting | Simple and Efficiency

Real-time Monitoring

- · Real-time sampling of various string current data
- Upload data for further processing analysis

Intelligent Analysis

- · Comparison of power generation data between strings
- The power generation data of the same string is compared with the historical data
- Determine the health of components





Comprehensive Support Throughout the Life Cycle



CONTENTS



Service Guarantee



Service Proposals



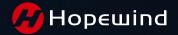
Customer Feedbacks



Global Best Practices



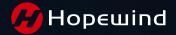
Service Guarantee-Service Center Layout



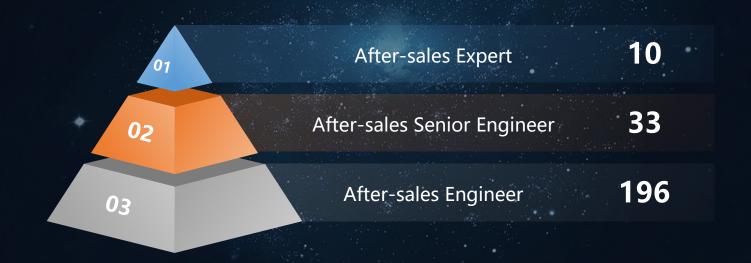




Service Guarantee-Professional team

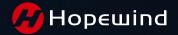


Hopewind has a group of after-sales service experts and engieers in HQ, 100% college degree and above for overseas services, with high-power electronics technical background and multilingual capability.

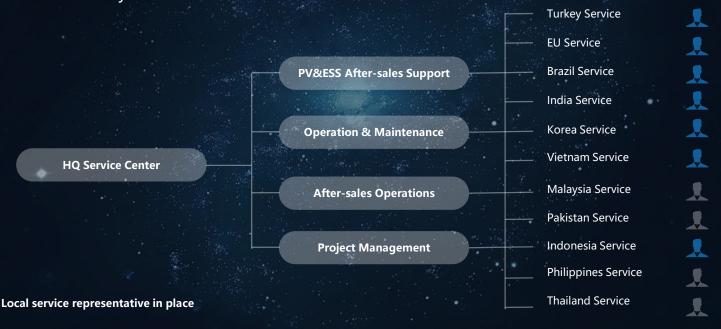




Service Guarantee-Professional team



Hopewind has accredited many professional 3rd party service providers in major PV target countries, also with local service representative, HQ has designated technical manager and R&D engineers to support each country.

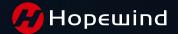




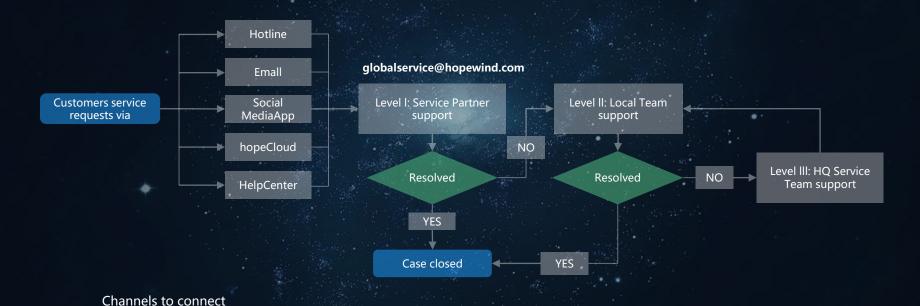
Local service representative recruiting



Service Guarantee-Communication Channels



Kinds of communication channels and regular meeting via Teams, Zoom, VooV and etc.



















Service Guarantee-Comprehensive Training



Training Type:

- 1. Provide Online Training and Offline Training.
- 2. On-site Training or In-house Training.
- 3. Regular Training and Customised Training.

Training Content:

- 1. Safety, Installation, Product spec., Commissioning, Troubleshooting and etc.
- 2. Fault Summary and Solutions.
- 3. Service Policy and Flows.





Service Guarantee-Efficient and Localized Technical Support

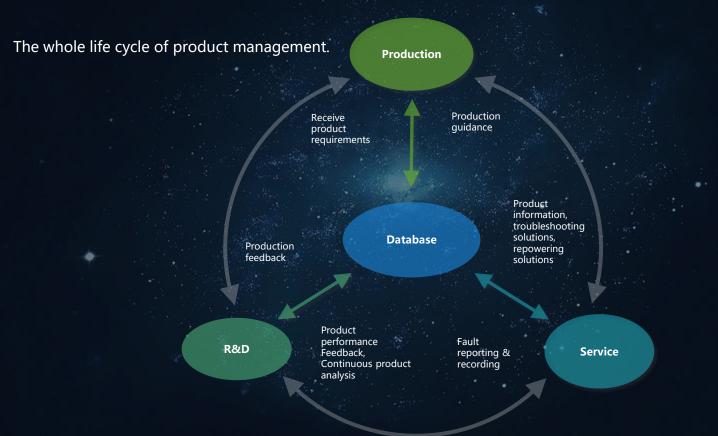






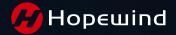
Service Guarantee-Digitalised Management



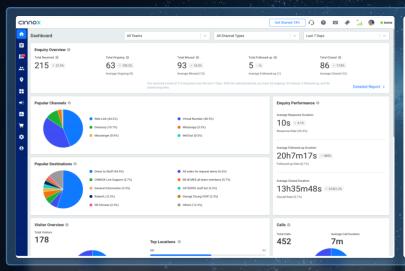


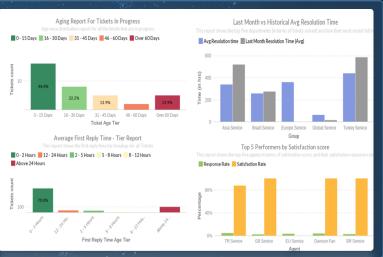


Service Guarantee-Digitalised Management



All service requests are monitored through the system (call center and tickets system) to ensure efficiency and resolution.



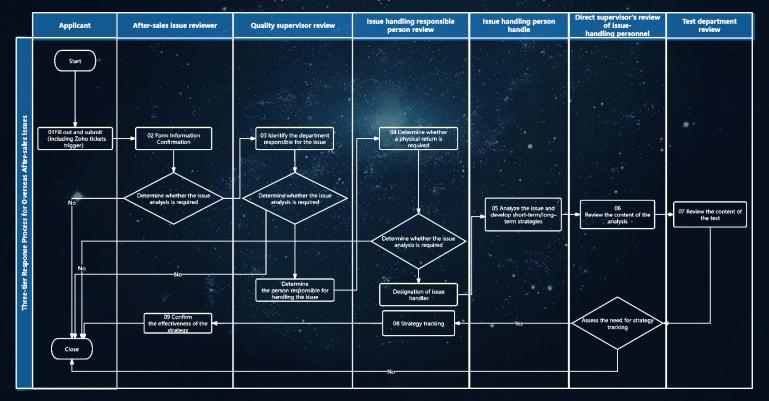




Continuous Improvement: 3-level Electronic Flow for Issues



Some of issues will go through Quality, R&D, Testing and manufacture departments, to find the root causes and take countermeasures to prevent it happen from the future production.



Service Proposals-Regular Project



Service hotline + Instant Messenger+Meetings

Service Contingency Plan for spare parts availability

3-Level Technical Support Structure (incl HQ+R&D) to ensure different levels of availability upon customer request

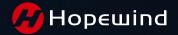
Local service providers + HQ service engineers are ready to assist on site if required

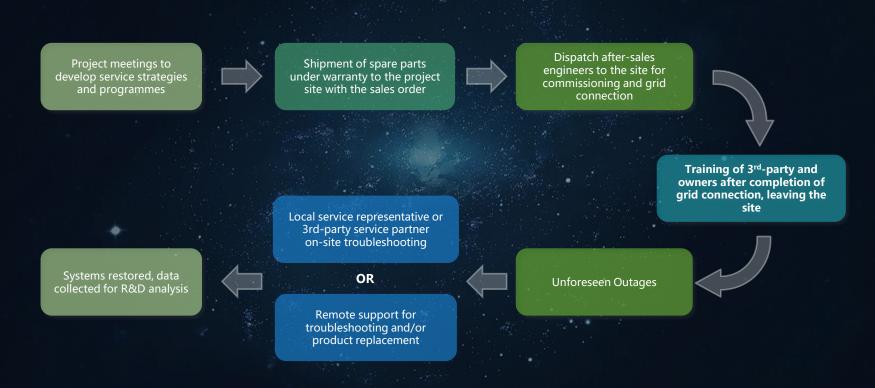
Designated specialist to provide timely response to customers' on-site service needs

In-house training for commissioning, workshops and PV plants + Online knowledge base



Service Proposals-Utility Projects

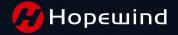




Note: 1% spare parts are shipped with the order, as emergency spare units for large-capacity projects



Customer Feedbacks





Köfteci Yusuf Meat Integrated Facilities

(2.7 MW | 100 KTL String inverter | Turkey)

"We chose Hopewind because of its quality and competitiveness. We can get fast support as technical service. Since the system has been activated, we have not encountered a malfunction. With energy monitoring applications, we are able to monitor the system in a healthy way."



Automotive Spare Parts Factory

(100 KTL & 30 KTL String inverter | Turkey)

"Having limited capacity on rooftop need maximizing the AC capacity with different types of inverter types to give flexibility and high efficiency in output. Hopewind offers a wide range of solutions in C&I segment for PV.

International expert team both in EU HQ and China HQ monitored together with the local team support to efficiency and quality of the work on site."



Customer Feedbacks







Global Best Practices-Utility-scale Application







Global Best Practices-C&I Application

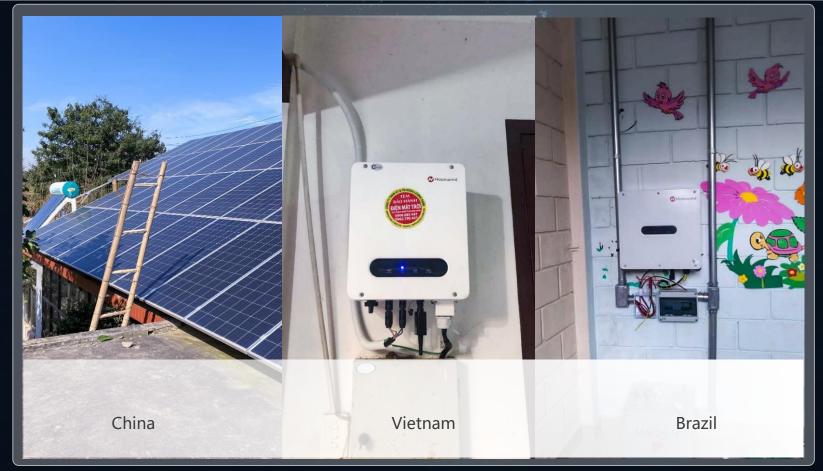






Global Best Practices-Residential Application







THANK YOU

Contact us: www.hopewind.com

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AVARD
2023

Gold standard
Award winners and runners up in focus as we celebrate the innovations driving the industry forward

Neoen shut down Australian solar-plusstorage plant after 7 years

by David Carroll



Largest US solar-storage project goes online

by Ryan Kennedy



Mostread online!



Coming up next...

Thursday, 25 January 2024

2:00 pm – 3:00 pm GMT, London 3:00 pm – 4:00 pm CET, Berlin **Tuesday, 6 February 2024**

11:00 am – 12:00 pm EST, New York City 5:00 pm – 6:00 pm CET, Berlin

Many more to come!

N-type trends in 2024

Understanding airplanes vs drones in aerial inspection

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Thank you for joining today!