

SMART RESIDENTIAL
SOLUTION



We, the Smart Energy Innovator

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DRIVING TOGETHER TO A **GREEN FUTURE**



Start-up Voltage @40V



Highest Efficiency up to 98.6%



Up to 100% DC Oversizing



10% AC Overloading



Built-in Export Limit Function

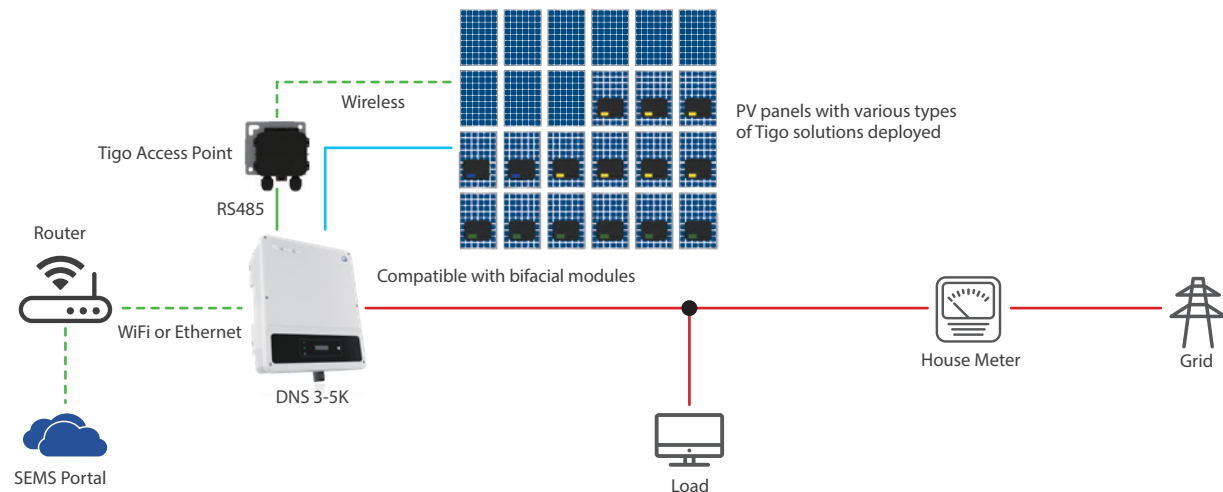


Compatible with Bifacial
Modules

GoodWe Optimizer Application

• GoodWe DNS + Tigo Solution

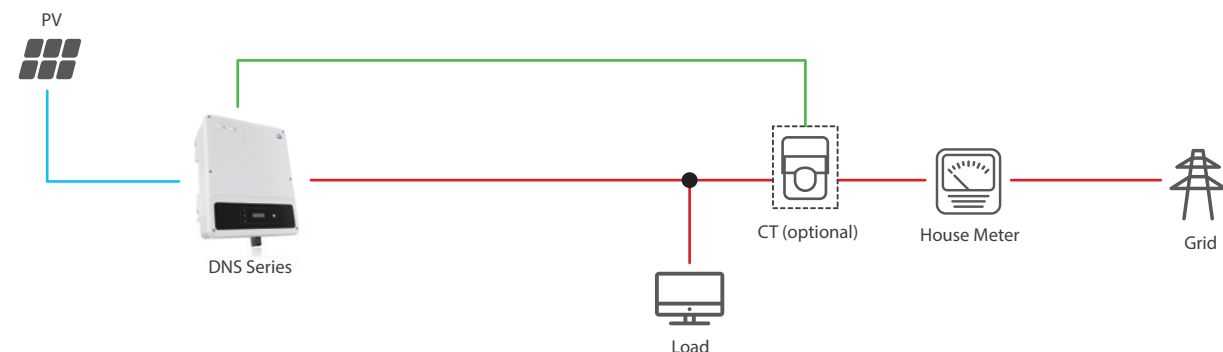
GoodWe's DNS inverter is equipped with Tigo's integrated Cloud Connect Advanced (CCA) and deployed with Tigo's TS4 Platform module-level power electronics. This solution has the ability to establish comprehensive communication with the Tigo Access Point (TAP). This reduces costs of the PV system which also benefits from all the advantages of Tigo, such as module-level monitoring, rapid shutdown, and optimization. All the data coming from both the inverters performance, as well as from Tigo, are integrated into GoodWe's monitoring platform.



- Tigo is an economical solution designed for shaded panels. It is not required to install optimizations for all panels with Tigo solution.

• Zero-export (Optional)

The DNS inverter features a Zero Export function among its settings. This function can be activated with the use of a current transformer, which has the ability to detect any current flow to the grid and communicate this information to the inverter.



• Protective DC Isolator (Optional)

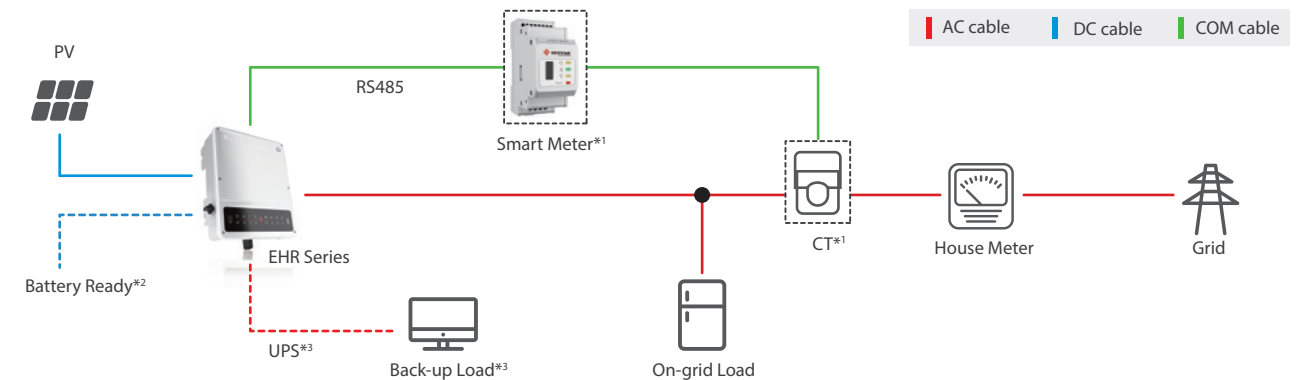
The GoodWe DNS Series also offers an optional package equipped with a DC isolator of level PV2, fully protected from other internal parts of the inverter and separated from the external environment. This is a design conceived to ensure the safety of the electricians at the time of installation and maintenance.

GoodWe Battery Ready Application

EHR Series

The GoodWe EHR series consists of a single-phase hybrid inverter with a section exclusively designed for energy storage. It is introduced as a conventional on-grid inverter, but from the hardware point of view, this contraption is a hybrid inverter.

- Achieve real-time load status monitoring with GoodWe's smart meter.
- Adjustable export power limit function integrated.



*1 The smart meter comes in an optional package that includes a pre-wired CT (current transformer).

*2 The "Battery Ready" function enables users to upgrade EHR system into energy storage system without extra equipment.

*3 The backup mode is available only after the battery is connected. The backup & UPS functions will be activated once the battery has been installed and connected.

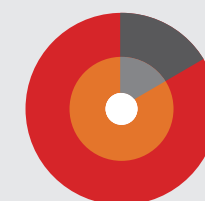
• The "Battery Ready" Concept

Integrating the "Battery Ready" concept, the GoodWe EHR inverter works as a conventional on-grid inverter. However, this inverter is designed so that the user, once he has decided to increase his level of self-consumption, can convert the EHR into an energy storage system by only acquiring an activation code. GoodWe offers an economical option for all those users who at the beginning are still undecided about whether or not to acquire an energy storage system.

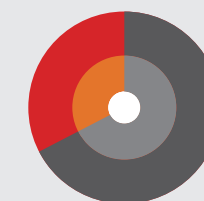
• Consumption Monitoring (Optional)

As illustrated in the diagram, the EHR Series counts with an option to carry out monitoring in real time through the use of an intelligent meter. With the assistance of the GoodWe monitoring platform, the EHR Series can also calculate self-consumption levels per day, month or year, providing a comprehensive overview of the consumption of the loads, and the general efficiency achieved in the use of solar energy.

PV Generation: 15.1 kWh



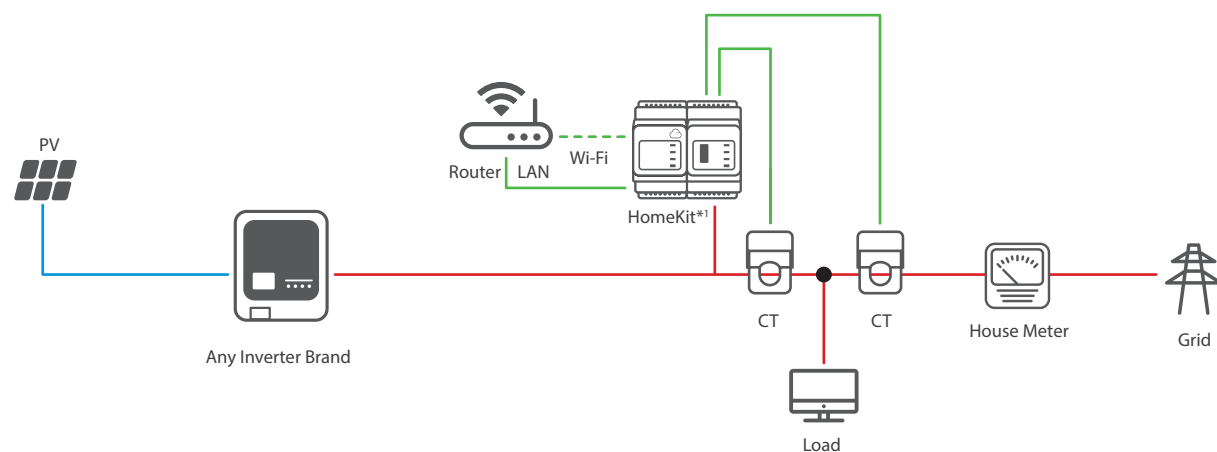
Loads Consumption: 38.7 kWh



GoodWe HomeKit Application

• 24 Hours Real-time Consumption Monitoring

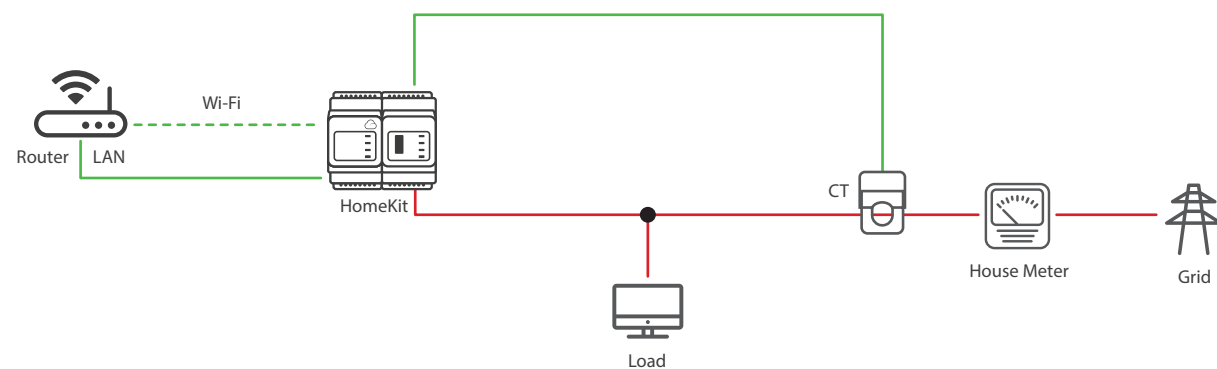
The GoodWe HomeKit is a solution designed to monitor load energy consumption in real time for 24 hours. Based on the best design principles, the HomeKit is tailored to the needs of the home and requires only an internet connection. An additional advantage of this system is that it is compatible with different brands of inverters, contributing in an important way to maintain a record of the load consumption. The data collected is stored in the cloud by Wi-Fi or LAN. The end users benefit by achieving a better understanding of their electricity consumption and the source from which it is generated.



*1 The current version of HomeKit supports single-phase systems. An upgraded version able to support three-phase systems will be available in the near future.

• GoodWe HomeKit for Households without PV

Simply by connecting to the internet, the GoodWe HomeKit Solution can carry out consumption monitoring in real time, helping users to achieve a more detailed understanding of the electricity consumption at home and allowing also to assess the concrete benefits of a potential PV installation .



Smart Energy Management System

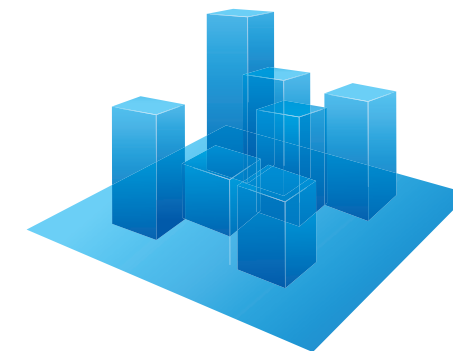
The Smart Energy Management System (SEMS) of GoodWe is an open protocol monitoring platform. It is designed to help operators to monitor a diverse range of PV plants operating at different places simultaneously. SEMS carries extensive data processing, including the production of customized charts. Its system of notifications and maintenance functions help the operators of PV assets to manage the generation of energy efficiently and comfortably, contributing to higher system yields.

• Multi-terminal Compatibility



• Lower O&M Cost:

Full visibility of system performance & remote troubleshooting



• Report Generation & Customized Data Analysis

Precise and comprehensive detection & evaluation of plant data

The content and design of the reports can be adjusted to suit individual requirements. A report generator is also available in addition to the standard reports.

Technical Data

DNS Series



HomeKit



XS Series



NS Series



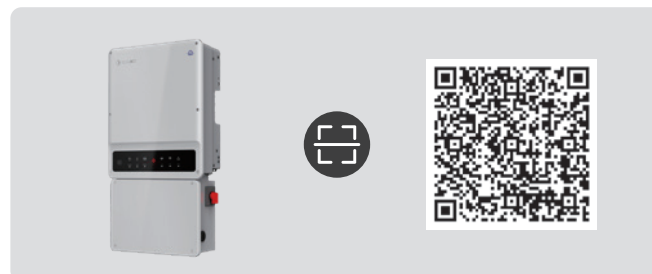
MS Series



SDT G2 Series



A-MS Series



Project Cases



6KW | Istanbul, Turkey



8KW | Antonio, Switzerland



4.5KW | Berwickshire, UK



4.5KW | Sao Paulo, Brazil



12KW | Cape Town, South Africa



3KW | Amsterdam, Holland



3.6KW | Melbourne, Australia



10KW | Cape Town, South Africa

International Awards & Rankings



2015-2020



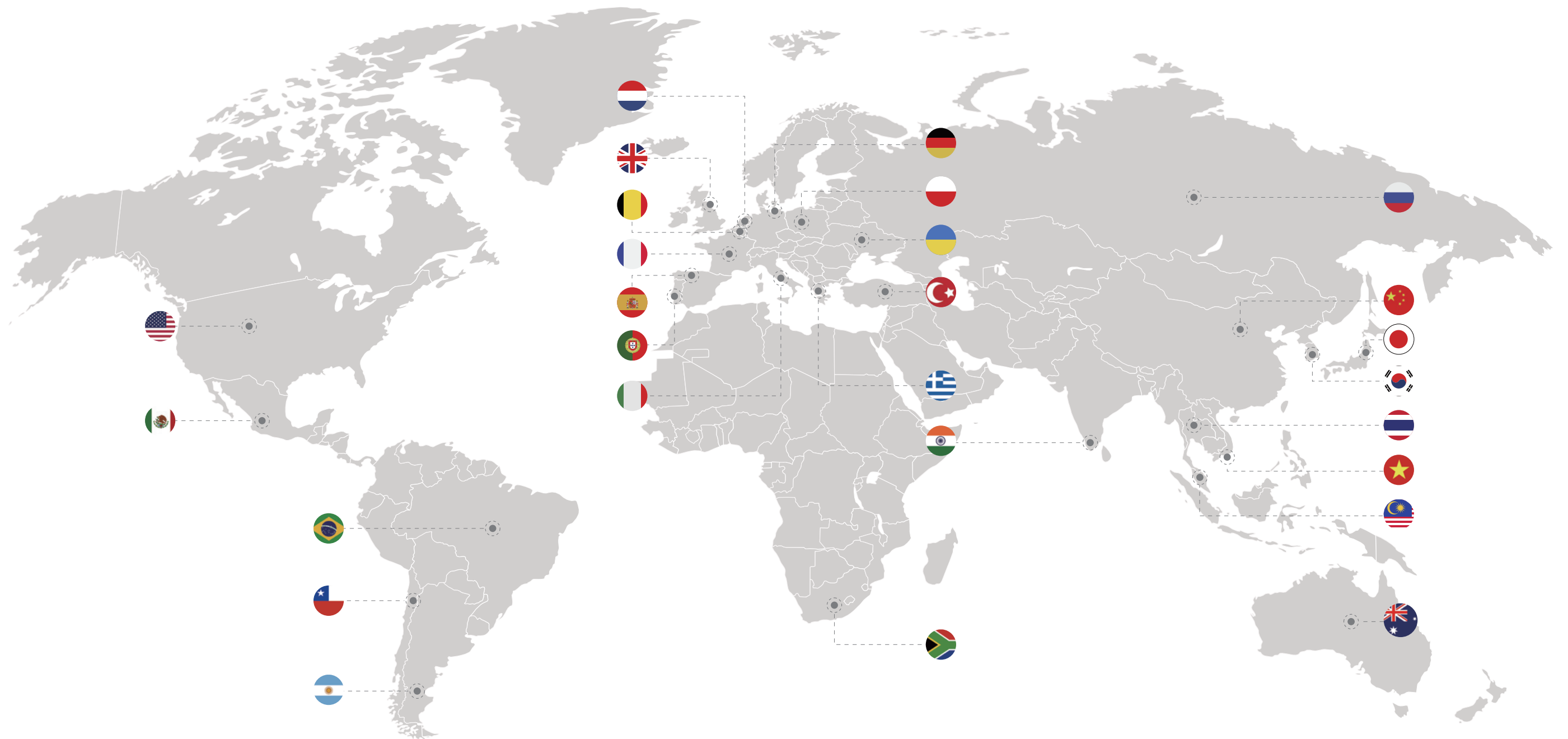
2020



2017-2021



2021



Global Presence

EMEA

Germany
Netherlands
Turkey
Poland
Russia

EMEA

UK
Italy
Portugal
Spain
France

EMEA

Ukraine
Belgium
South Africa
Greece

LATAM

USA
Mexico
Chile
Brazil
Argentina

APAC

China
India
Vietnam
Australia

APAC

Japan
South Korea
Thailand
Malaysia

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