## Huawei Indonesia Digital Power Your Best Partner in Carbon Neutral Movement

## HUAWEI

# **01** Huawei Digital Power Introduction

### **Vision of Huawei Digital Power**

Vision

Integrate digital and power electronics technologies, develop clean power, and enable energy digitalization to drive energy revolution for a better, greener future

June, 2021 Huawei Digital Power Technologies Co., Ltd. was established Global carbon neutrality will decisively transform energy for the future of our home and its generations to come.

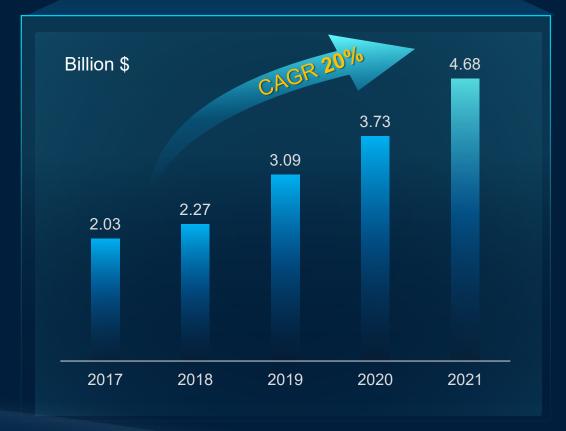
The key to carbon neutrality is to build a new power system based on new energy. Power generation, transmission, distribution, usage, and storage will all be built upon digital and power electronics technologies.

Huawei's unique value lies in its long-term R&D investment in digital and power electronics technologies. We focus on converging and innovating on technologies to accelerate the digitalization of energy and enable various industries to upgrade. We aim to accelerate clean energy generation, to build green transportation, sites, and data centers, and to ultimately contribute towards zero carbon buildings, campuses, and cities.

We are committed to open cooperation with like-minded people around the world to promote this transformation, to achieve carbon neutrality as soon as possible, and to build a better, greener future.

### **Business maintains rapid growth**

#### **Sales Revenue in Digital Power Business**



#### Applicable To 170+ Countries and Regions Serving 1/3 of the World's Population



Source3: Frost & Sullivan

## Widely recognized by the society

Green energy saving awards



FusionSolar smart PV solution successfully selected as 2020 - 2021 WWF Climate Founder Awarding Technology



Huawei green 5G power solution won ITU Global Industry Awards: Sustainable Impact





Huawei iSuperSite Solution won the **Best Of Show Award** at Interop Tokyo



Huawei data center facility won the DCS Award from a European data center authority

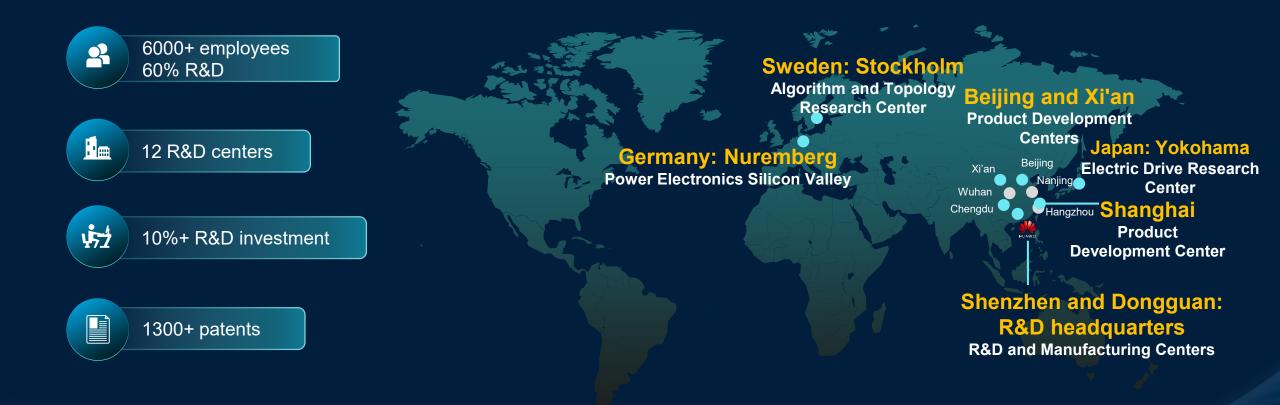


Huawei SUN2000 distributed series smart PV inverters won Intersolar Award



Huawei smart electric MCU solution won SAIC MOTOR Innovation Contribution Award

# Global R&D teams and technology platforms: Leveraging the domain specific advantages globally to keep leading



Green power generation: solar as main power source benefits thousands of industries and millions of households



Working with partners to promote renewable energy worldwide







Since 2013, Huawei-built PV plants have generated 180 billion kWh of electricity, equivalent to reducing 108+ million tons of carbon emissions or planting 200+ million trees



#### World largest smart PV generation @ Qinghai

#### Factory rooftop smart PV @ Dongguan



2.2GW@Qinghai, China

The full operating condition (SCR as low as 1.2) is stable

Intelligent IV diagnosis, 2 months O&M inspection  $\rightarrow$  15 minutes

:: The world's first long-distance, UHV channel for 100% renewable energy New energy power generation projects completed in the world in the shortest time Grid-connected time: sep. 30, 2020

#### Household rooftop smart PV rooftops @ Dongguan



17.5MW@Dongguan, China

Self generate and self-use, PV annual electricity yield 17.1 million kwh, saving electricity cost 11.8 million yuan/year

Short ROI period, < 5 years

Reduction of carbon emissions 8122.5 tons

\* The power plant has a roof area of 200,000 square meters and more than 70,000 PV modules are installed. Average electricity price: CNY0.69/kWh \* Electricity carbon emission conversion factor: 1 kWh electricity equivalent to 475g CO2

#### Off grid island @ Zhuhai: smart PV + storage



30KW PV + 45kwh energy storage @ Dongguan, China Self-use, 61% green energy , saving 25,000 yuan/year

Practice low carbon living, 24 hours self-use, safe and reliable

\* Roof area 237m2 with total investment of RMB 230,000. The annual PV power yield is 3.48 million kwh Average residential electricity price: 0.72 yuan/kwh, electricity consumption > 40,000 kwh/year



Solar + smart energy storage @ Zhuhai, China The DG cost reduced by CNY220,000 per year, and the ROI less than 2 years

Intelligent management reduces maintenance costs by 50%, 0 service interruption

Zhuhai hebao island VTS ship navigation station, daily power consumption ~ 360 kwh The expenses incurred by the diesel generator for power generation include the fuel, transportation, and maintenance expenses.

# 02 Huawei Indonesia Introduction

## Long-term commitment & continuous investment in Indonesia



## 17 regional offices and 5 logistics centers in Indonesia



## **Do for Indonesia**

**50** 

6

670+ Training Cooperative Universities sessions

28K+ **High level Talent MOU** Trainees



Huawei signs MOU with KSP to train 100K digital Talents for Indonesia

**Do** Contribute

Base Station Population Connected Supported **Do** Create **Building Connections in Indonesia for All** 

**Continuously Support Local Communities** 

**Connect the** 

Unconnected

**Do** Collaborate **Supporting Digital Transformation in Indonesia** 

**Building Eco-system to Support Indonesia 2045** 



Culture Inclusion

**Do** Care



Enrich

Communications

Caring







**Always Ready** 

for Connection

Community

## **Digital Power: Your Best Partner for a Better, Greener Future**

#### By December 31, 2021, Digital Power has helped customers

generate green power

save power

reduce carbon emissions

equivalent to planting

482.9 billion kWh 14.2 billion kWh 230 million tons 320 million trees

