FusionsolarMaking the Most of Every Ray





Email: Victor.koyier@huawei.com Tel: 0254736844671

Victor Koyier

Vice President of Southern Africa Digital Power Smart PV

17 years' experience in renewable industry in Sub Saharan Africa

Successful deployed and Supported deployment of 2 GW across Africa- Distribution / C&I /Utility projects

Enthusiastic about the Solar Energy Growth and Transition in Africa



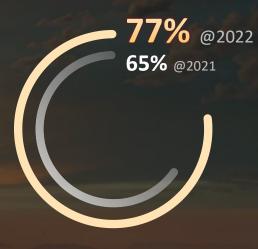
A Successful 2022 with Customers and Partners

80%

326%

Smart PV Inverter shipments worldwide

Smart String ESS shipments worldwide



Sales attributed to 1000+ partners

^{*} The data is based on Huawei's internal growth data in 2022 compared with in 2021.



Technologies Are Here to Enable PV + ESS to Become the Main Energy Source

Technology Drivers







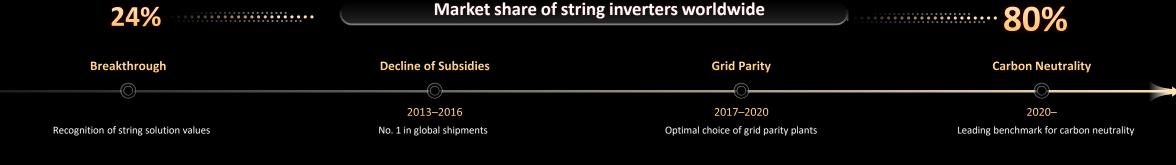
Convergence and Innovation through 4T Technologies



Utility Scenario: Leading Smart String Solutions to Become Mainstream



Utility Scenario: Leading Smart String Solutions to Become Mainstream











Smart PV & ESS Generator: A Cornerstone Technology Towards Main Energy Source





C&I Scenario: Leading Active Safety to Become Industry Standard











No fuse Natural cooling

IP65, fully sealed

Logistic centers

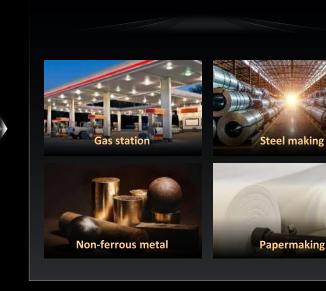


Industry-leading Leading AFCI First inverter with PID recovery



Module-level optimization

Module-level rapid shutdown



AAU University, Jordan

Low-noise natural heat dissipation 280 kW@2013

Porcelain Painting Factory, Netherlands

AFCI technique ensures safety 2.54 MW@2019

Airport in Chile

Intelligent arc protection for personal and assists safety 825 kW @2020

Food Factory in China

Optimizers with 15% more installed capacity and 14.8% higher yield 1.1 MW@2022

FusionSolar as Primary Choice for Various Commercials and Industries

Ranch Project, Thailand

Dust-proof natural heat dissipation 42 kW@2015

Dubai Port, Middle East

Built-in PID recovery enables operation in high temperature environments
25.8 MW@2017

VivoCity, the Largest Mall in Singapore

Built-in PID recovery enables operation in humid environments 100 kW@2019

University in Thailand

Intelligent arc protection + Module-level rapid shutdown for higher safety
1.2 MW @ 2023

C&I Scenario: One-Stop Solution to Achieve 100% Self-sufficiency



Residential Scenario:

Leading Home Energy Management with Future-Ready Architecture

Smooth evolution from inverter to home energy management

30%

Self-consumption rate

Residential 1.0

Inverter + SmartPVMS

Optimizer + Inverter + SmartPVMS





70%

Self-consumption rate

Residential 2.0: 1 + 3 + X

Optimizer + Inverter + ESS + Load + SmartPVMS



90%

Self-consumption rate

Residential 3.0: 1 + 4 + X

Optimizer + Inverter + ESS + Charger + Load + SmartPVMS





2021

2022

Easier Job for Installers, Higher Satisfaction for Homeowners

For **Homeowners**

1+4+X Solution provides 100% green energyusing prospect

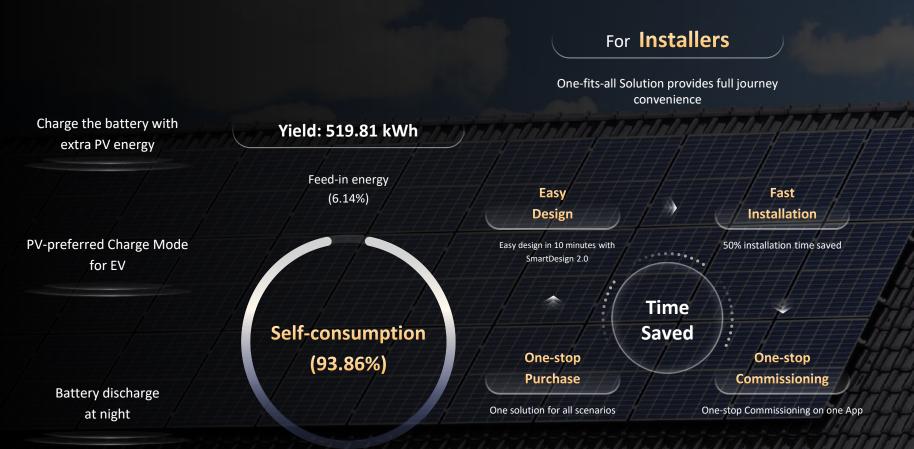


@ Valencia. Spain

Configuration:

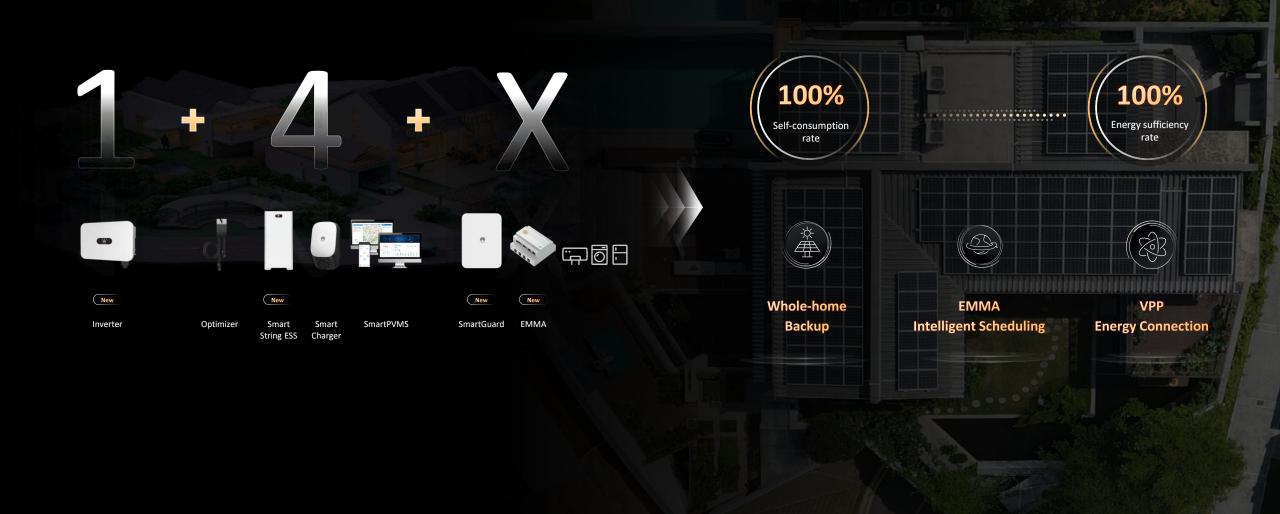
SUN2000-6KTL-M1, SUN2000-450W-P2, LUNA-10-S0, SCharger-7KS-S0, EMMA



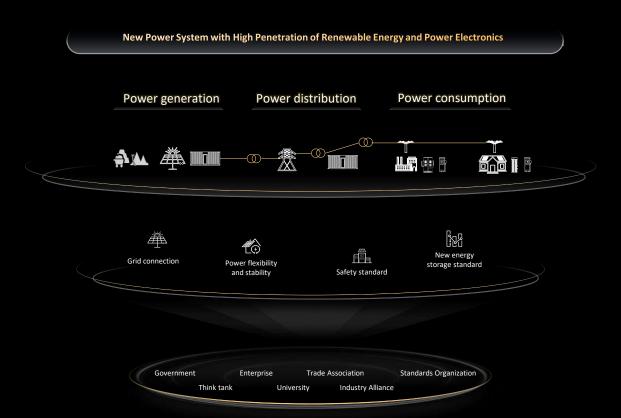


Less time for each site, More time for more site

Residential Scenario: Enjoy 100% Green Power as You Wish



Future Oriented High Quality Standard to Ensure Healthy Industry Development









Working Together to Accelerate Ecosystem Development and Create a Thriving Industry



