

A Green Energy Solution Provider

Planning | Design | Investment | Financing | Construction | O&M



About TCPOWERTEC

THE GOAL OF TCPOWERTEC IS TO PROVIDE
MORE PEOPLE WITH CONDITIONS AND OPPORTUNITIES
TO ENJOY THE BENEFITS OF GREEN ENERGY



TCPOWERTEC is a provider of green energy solutions. It is a leading new energy system provider specializing in the research and development, design, manufacturing, maintenance and operation of wind power, photovoltaic power, energy storage and diesel power generation products and integrated power solutions as well as contracting and construction. Based on rich knowledge and experience, continuous innovation and services, we provide more reliable, more efficient and more economical green energy solutions for customers in residential, commercial, industrial and other fields worldwide. The goal of TCPOWERTEC is to provide more people with conditions and opportunities to enjoy the benefits of green energy, improve people's quality of life, and make due contributions to controlling the greenhouse effect of the earth.

Why Choose TCPOWERTEC

SERVICES

TCPOWERTEC offers turnkey solar microgrid solutions for off-grid and grid-tied applications. We specialize in project development, system design and engineering, installation, monitoring and reporting, and operation and maintenance for integrated solar, battery, and backup generator systems.

- Simplify your microgrid project and reduce costs by partnering with TCPOWERTEC from system design to operation
- Containerized solutions provide scalable, cost-efficient options
- Energy audits conducted in-house to optimize your ideal energy solution
- Work with our team of certified engineers, project managers, and installation professionals
- Available project financing
- Flexible services based on your needs



Your turnkey solar microgrid solution

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Design

Starting with an energy audit using TCPOWERTEC's software, we configure a microgrid solution tailored to your exact needs.



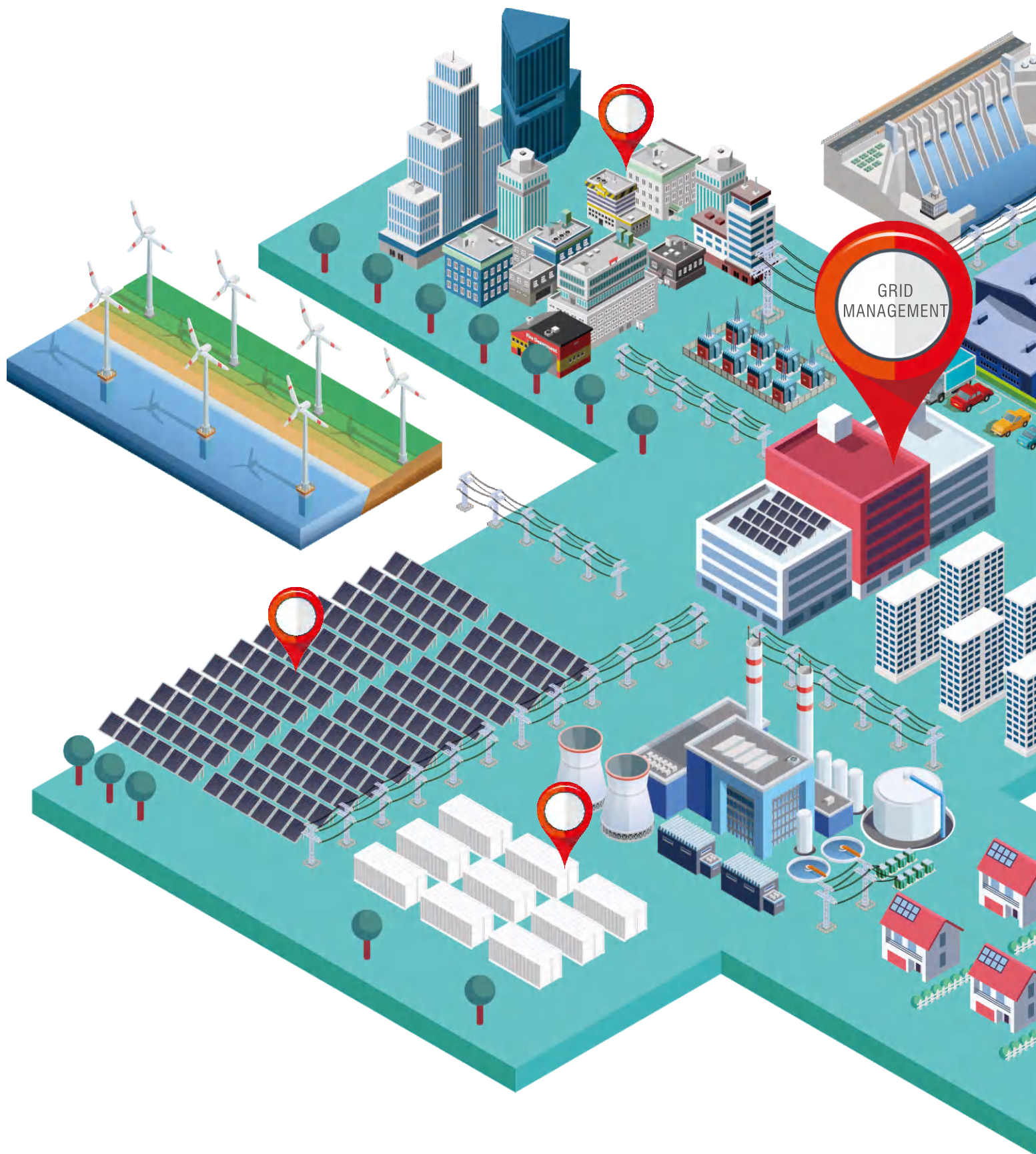
Construction

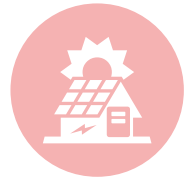
We configure your microgrid from our pre-engineered products and rapidly deploy systems on-site in a matter of days.



O&M

TCPOWERTEC offers lifetime operation and maintenance support. We optimize systems with remote monitoring and control capabilities.





TCPOWERTEC offers an extensive product portfolio featuring four major categories: residential products, commercial products, large-scale power station products, and photovoltaic module products. Our solar energy system product range includes residential energy storage systems, residential Off-grid energy storage, integrated solar power storage, On-grid photovoltaic inverters, Off-grid photovoltaic inverters, residential outdoor off-grid energy storage, portable power supply, outdoor commercial energy storage, integrated communication power supply, utility energy storage system, PV modules, etc.

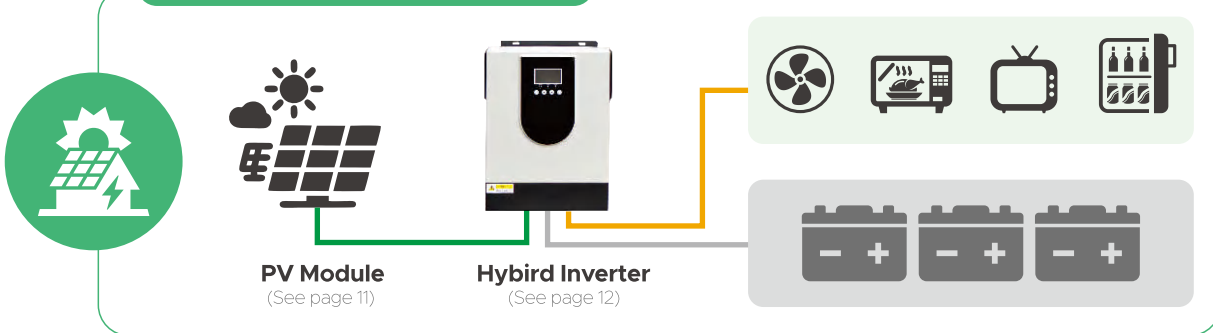
TCPOWERTEC Solutions



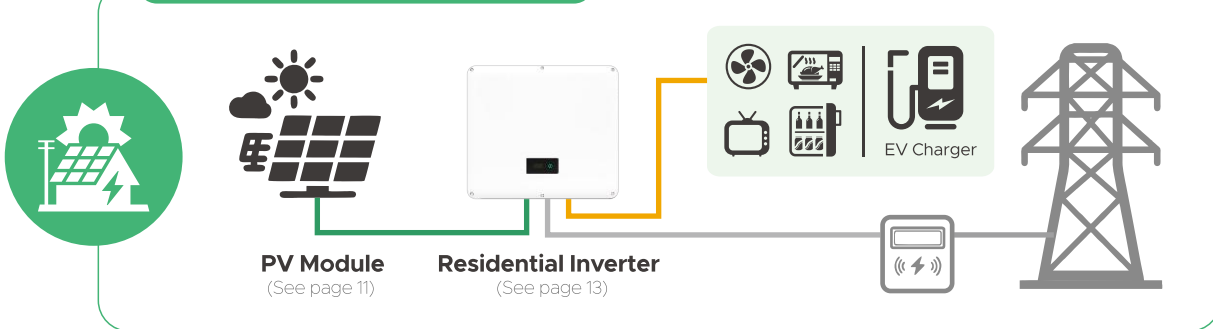
RESIDENTIAL SOLUTION

- Designed for rooftop and backyard PV power stations
- The system supports modes including full grid connection, excess power grid connection, and self-consumption

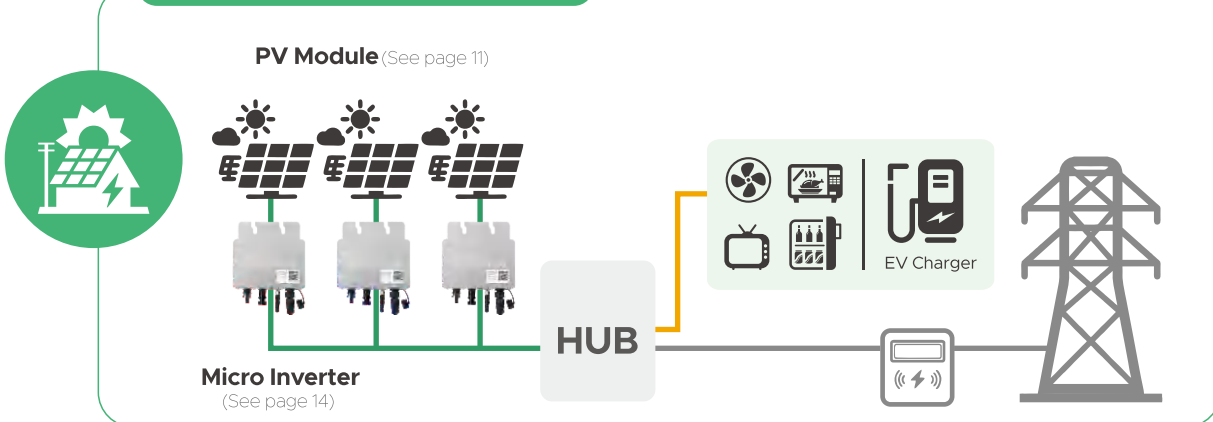
Household Off-Grid System



Household On-Grid System

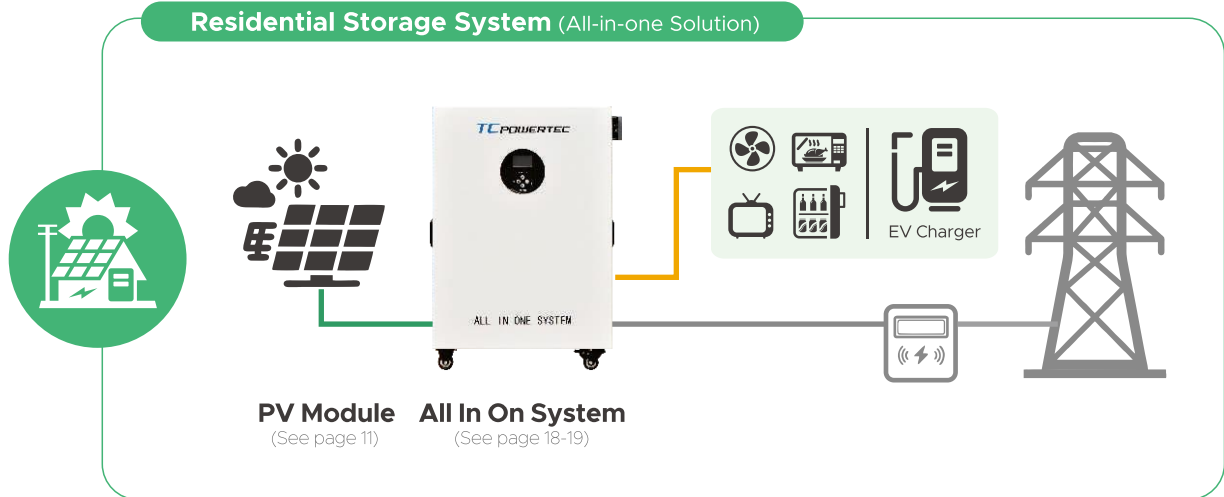


Micro Inverter System

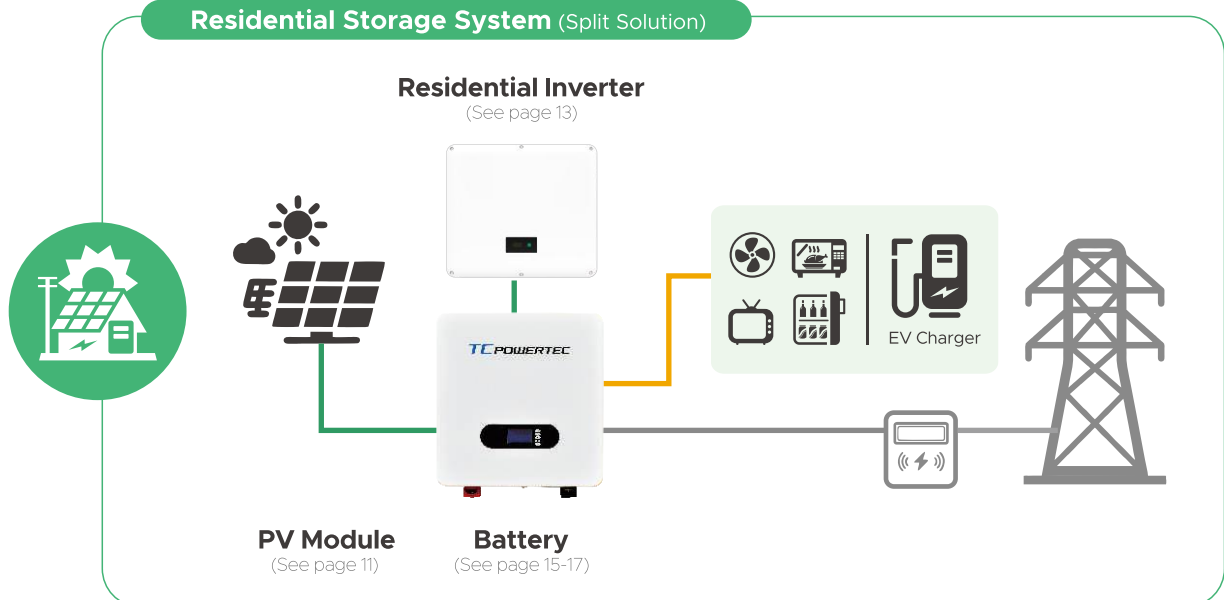


RESIDENTIAL SOLUTION

Residential Storage System (All-in-one Solution)



Residential Storage System (Split Solution)

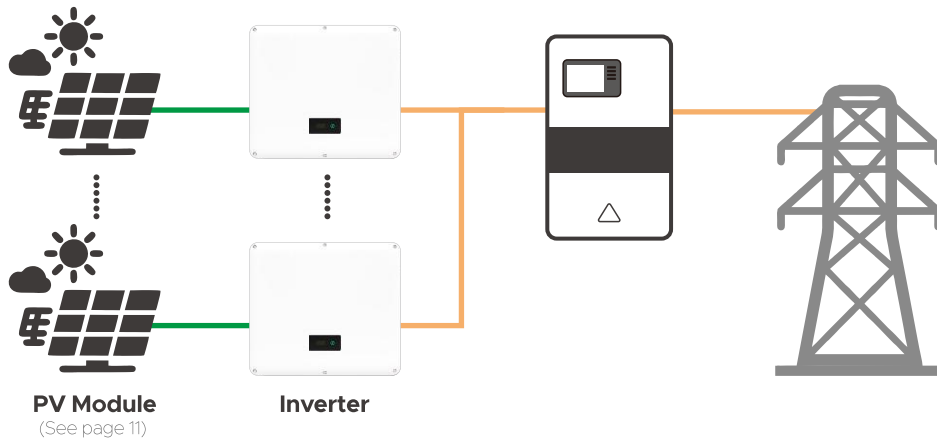




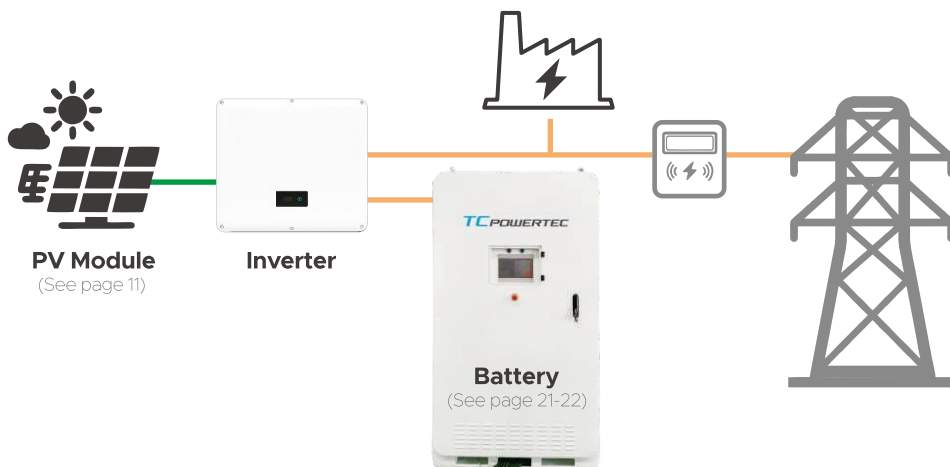
C&I SOLUTION

- Roof with large area in the same direction, suitable for large scale of PV modules
- Electricity generated for sale or self-consumption

C&I PV System



C&I PV-ESS System

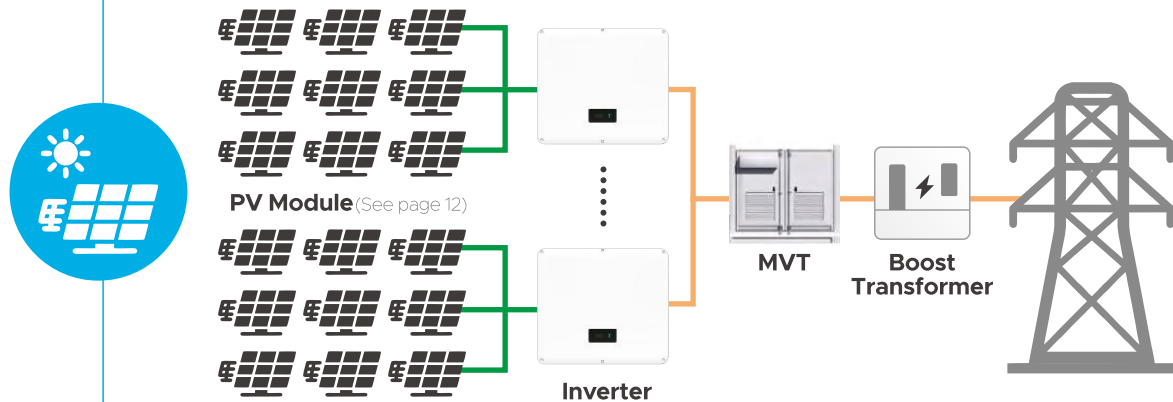




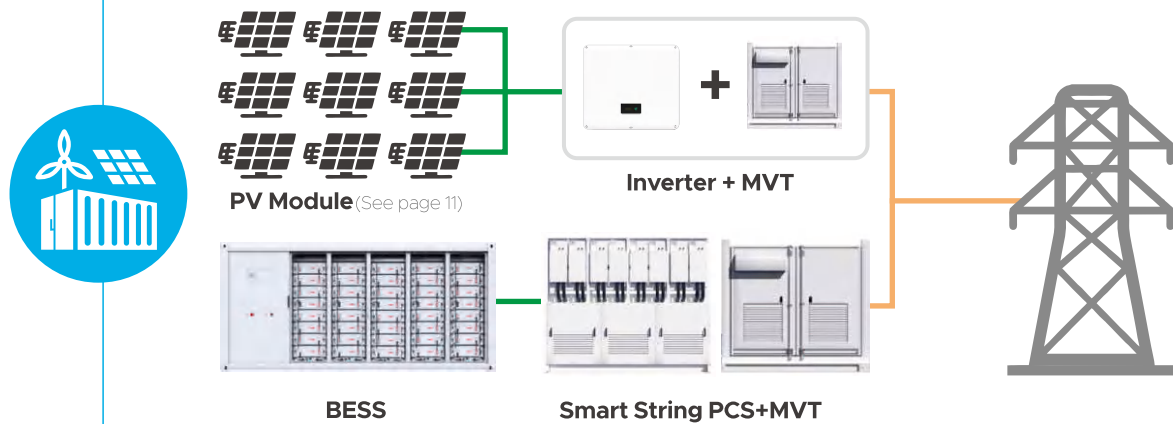
UTILITY SOLUTION

- Compatible with PV, wind, and thermal power systems, thereby facilitating renewable energy utilization, power output smoothing, peak shifting, frequency regulation and peak load leveling, and also providing auxiliary services to the power grid.

Utility PV System



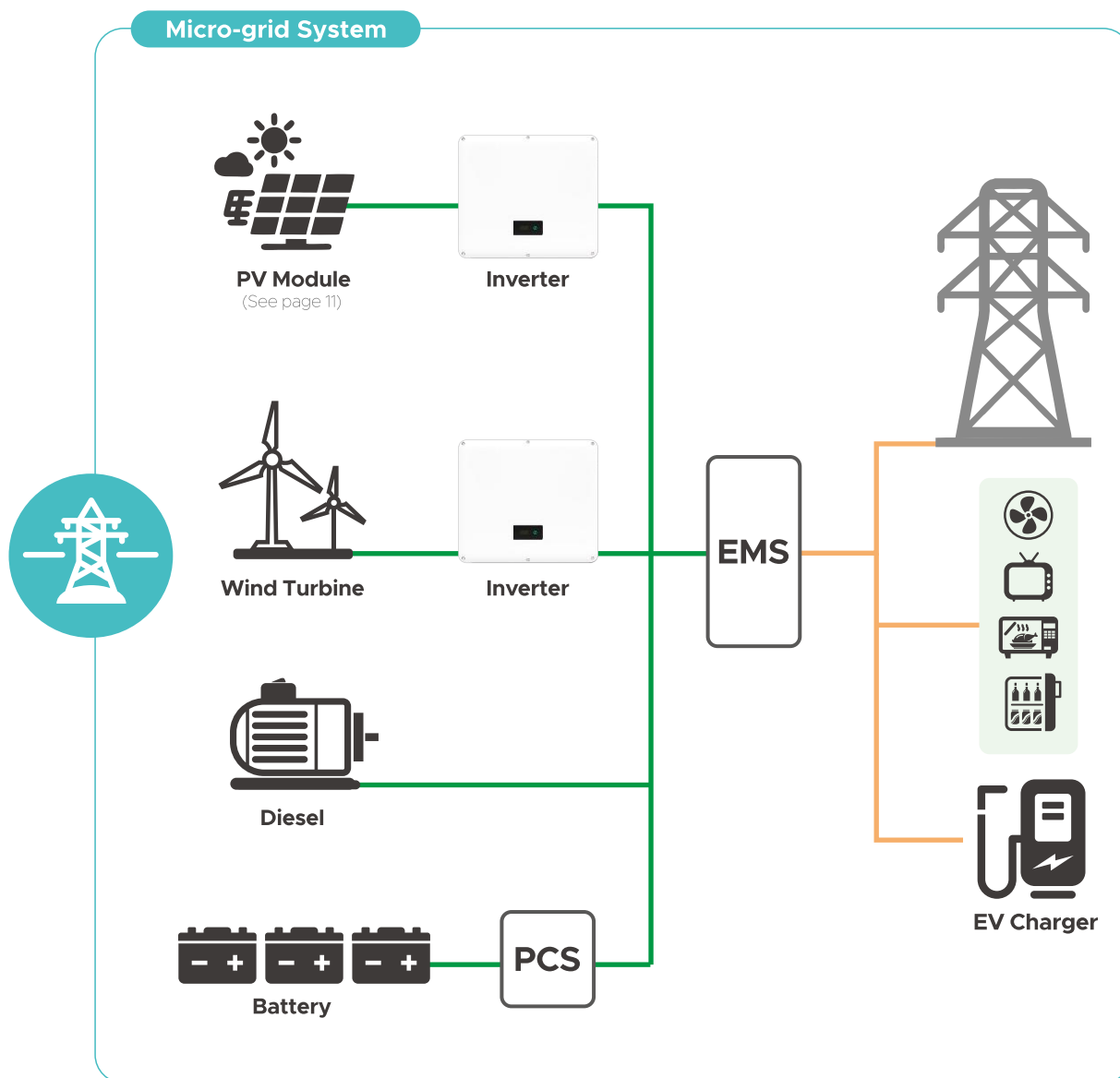
Utility ESS System





MICRO-GRID SOLUTION

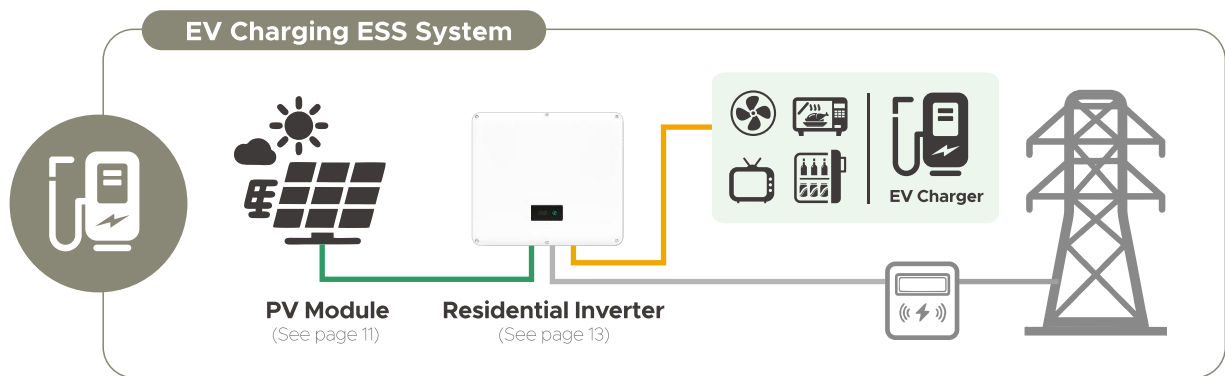
- Suitable for regions where the grid is unstable, the power grid capacity is insufficient or there is no power grid available
- Preferentially using solar while reducing the consumption of traditional fossil fuels
- Seamless switch between off-grid and grid-connected modes





EV CHARGING ESS SOLUTION

- The integrated solution of PV solar storage and EV charging realizes the dynamic balance between local energy production and energy load through energy storage and optimized configuration and providing auxiliary service function for the grid.



PROJECT ACHIEVEMENTS

RESIDENTIAL PV SYSTEM SOLUTION

**Household
Off-Grid
System**

**Household
On-Grid
System**

**Micro
Inverter
System**

**Residential
Storage
System**



Classification:
Household Off-Grid System

Capacity:
10kW

Location:
Indonesia

Performance period:
2022



Classification:
Household On-Grid System

Capacity:
4.6kW

Location:
Germany

Performance period:
2023



Classification:
Residential Storage System

Capacity:
20kW

Location:
Spain

Performance period:
2022



Classification:

C&I PV System

Capacity:

3.47274MWp

Location:

Jiangsu, China

Performance period:

June 2022



Classification:
C&I PV-ESS System
Capacity:
0.8MW
Location:
China
Performance period:
2022



Classification:
Utility PV System
Capacity:
29MW
Location:
Malaysia
Performance period:
2018



Classification:
Utility ESS System
Capacity:
20MW
Location:
China
Performance period:
2022

