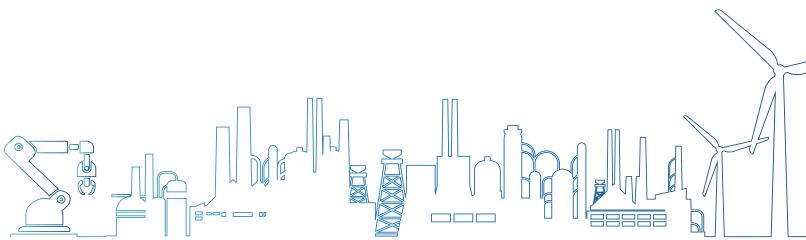


Commercial and Industrial Energy Storage System

- **TE-ESS-CUBE-261**
- **TE-ESS-CUBE-261-UL**



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01.

Commercial and Industrial Energy Storage System

TE-ESS-CUBE-261 / TE-ESS-CUBE-261-UL

TE-ESS-CUBE-261 / TE-ESS-CUBE-261-UL are integrated energy storage devices designed to meet industrial and commercial energy storage needs. The integrated cabinet adopts modular design, which is easy to install and maintain. The fire protection system supports safety functions such as perfluorohexane, emergency stop E-STOP, insulation detection protection, and water immersion protection. Integrated liquid cooling and air cooling dual cooling system, IP54 protection level supports outdoor installation.



Product Features

	TE-ESS-CUBE-261	TE-ESS-CUBE-261-UL
 High Power	100kW	125kW
 Large Capacity	261kWh	
 Liquid Cooling Technology	Equipped with a liquid cooling system, it ensures the stability of the energy storage system during long-term operation, effectively reduces the system temperature, extends battery life, and improves system performance.	
 IP54 Waterproof and Dustproof Rating	The system is designed to meet the IP54 waterproof and dustproof rating, ensuring durability and reliability in environments with high or low temperatures, humidity, or dust. It is suitable for outdoor installation and applications.	
 Integrated Design	The All-in-One design integrates key components such as energy storage, inverter, and Battery Management System (BMS) into a single unit, achieving system integration, simplifying installation, and saving space. This design not only simplifies the installation process but also reduces maintenance workload, improving operational efficiency.	
 Intelligent Energy Management System	Equipped with an advanced Battery Management System (BMS), it can monitor the battery's status, charging and discharging processes, and health in real-time. The intelligent management system also supports remote monitoring and control.	

TE-ESS-CUBE-261

Product Specifications

Grid - Connected Output Parameters

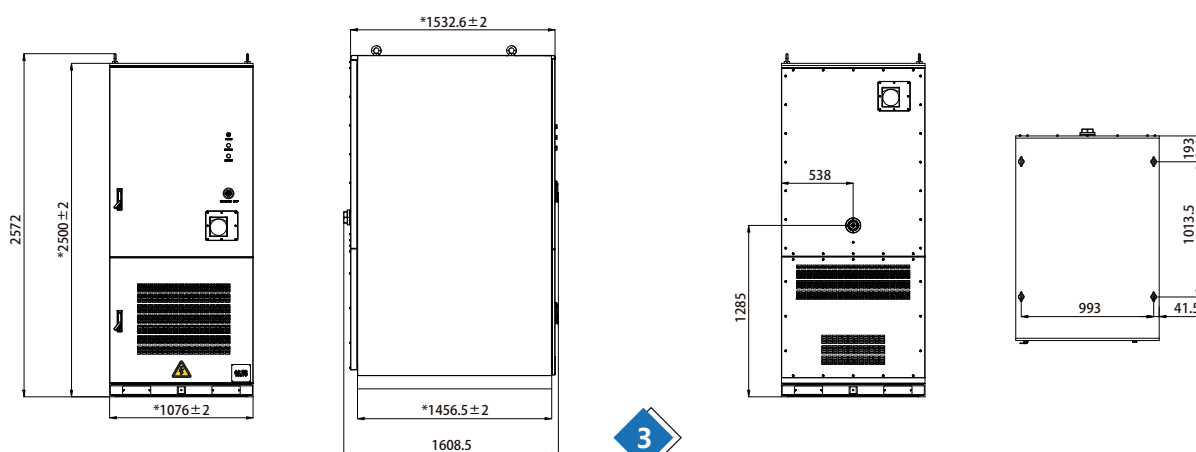
Rated Voltage	400Vac
Input Phase	3P4W+PE
Grid Frequency	50Hz/60Hz
Rated Output Power	100kW
Maximum Output Power	110kW
Rated Output Current	144.3A
Total Harmonic Distortion of Current	≤ 3% (Under rated power)
Power Factor	-1~1

Off - Grid Output Parametersers

Off-Grid Output Voltage	400Vac
Off-Grid Output Frequency	50Hz / 60Hz
Off-Grid Apparent Power	100kVA
Resistive Balance Load	≤ 3% (Resistive Balance Load)

System Parameters

System Specifications	832V / 314Ah
String and Parallel Configuration	1P5S
Rated Impact Capacity	261kWh
Usable Capacity	235kWh
Voltage Range	728V ~ 936V
Maximum Charging and Discharging Current	157A
Operating Temperature	0°C~55°C
IP Rating	IP54
Cabinet Dimensions (W * D * H)	1076*1532*2500
Weight	2,600KG
Safety Certifications	IEC 61000、IEC 62477-1、FCC Part 15 Sub part B IEEE 1547、IEEE 519、UL 1973、UL9540A UL 60730-1、UN 38.3



TE-ESS-CUBE-261-UL

Product Specifications

Grid - Connected Output Parameters

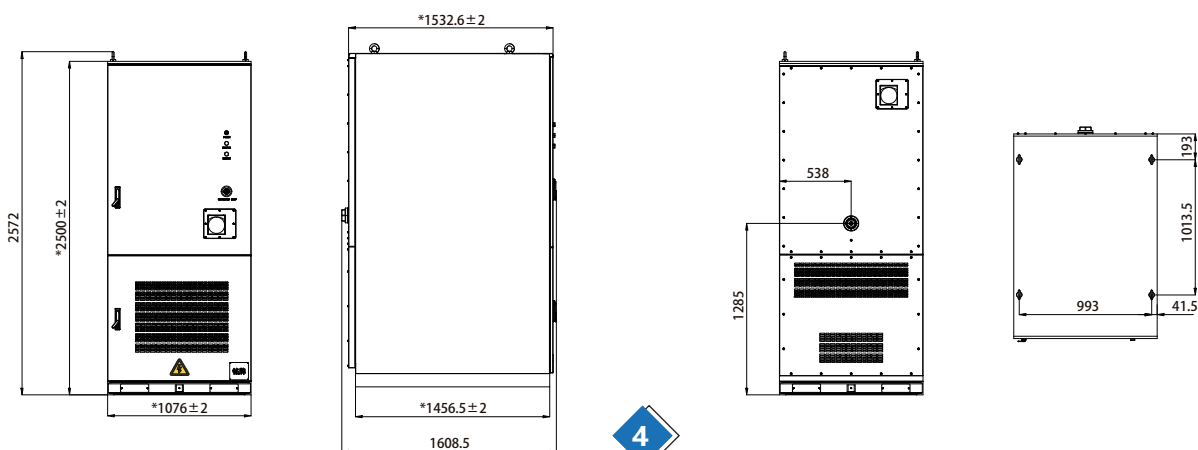
Rated Voltage	480Vac
Input Phase	3P4W+PE
Grid Frequency	60Hz
Rated Output Power	125kW
Maximum Output Power	137.5kW
Rated Output Current	150.4A
Total Harmonic Distortion of Current	≤ 3% (Under rated power)
Power Factor	-1~1

Off - Grid Output Parametersers

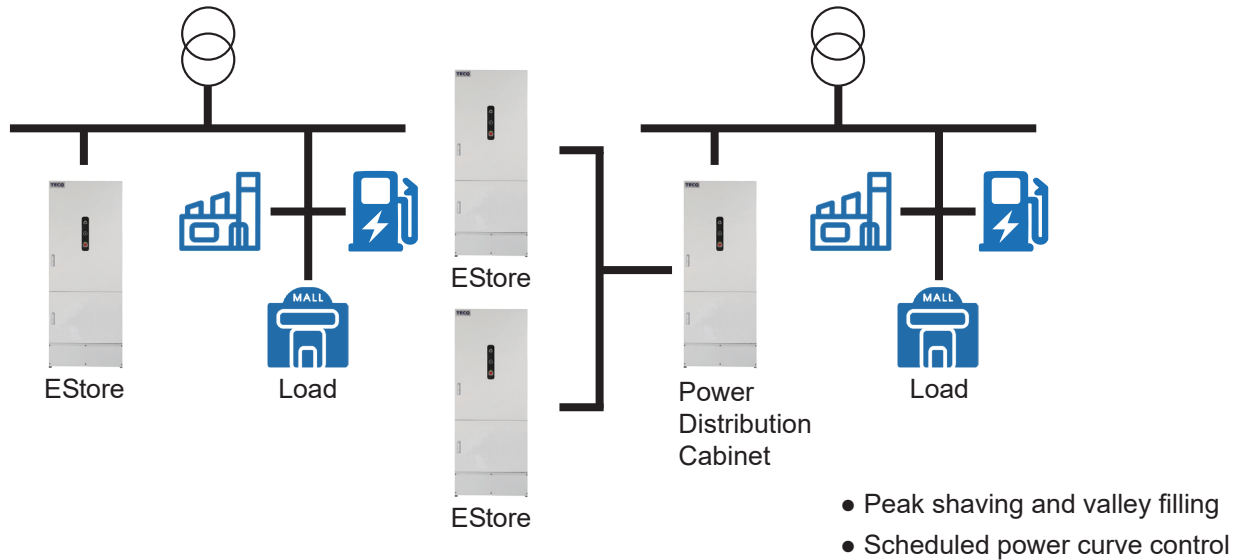
Off-Grid Output Voltage	480Vac
Off-Grid Output Frequency	60Hz
Off-Grid Apparent Power	125kVA
Resistive Balance Load	≤ 3% (Resistive Balance Load)

System Parameters

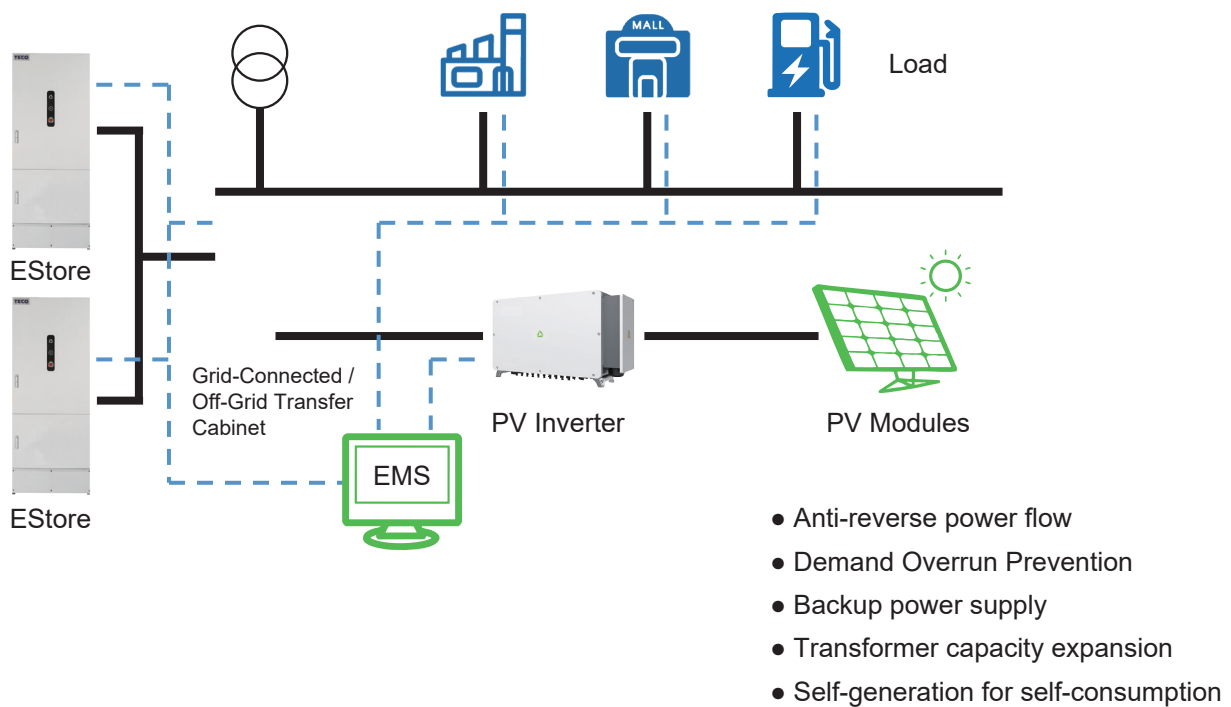
System Specifications	832V / 314Ah
String and Parallel Configuration	1P5S
Rated Impact Capacity	261kWh
Usable Capacity	235kWh
Voltage Range	728V ~ 936V
Maximum Charging and Discharging Current	157A
Operating Temperature	0°C~55°C
IP Rating	IP54
Cabinet Dimensions (W * D * H)	1076*1532*2500
Weight	2,600KG
Safety Certifications	UL 1741 : 2021 、 IEEE 1547 、 CSA C22.2 No.107.1 CFR 47 Part 15 (2023) 、 ANSI C63.4 (2014)+ A1 (2017) UL 1973 、 UL 9540A 、 UL 60730-1 、 UN 38.3



Commercial and Industrial Peak Shaving and Load Leveling Grid-Connected Application



Commercial and Industrial Grid-Connected / Off-Grid Hybrid System (with EMS)



Main Global Operations

business to business to sustainability

TECO Westinghouse



1995
Texas Austin | US

Motovario S.p.A



2015
Formigine | Italy

Wuxi



2004
Wuxi | China

Headquarter



1956
Taipei | Taiwan



TECO Mexico S.A.



2023
Ciénega de Flores | Mexico

TEMICO



2023
Bangalore | India

Vietnam



2019
Binh Duong | Vietnam

Malaysia



1988
Johor Bahru | Malaysia

📍 Production 📍 Sales Office 📍 R & D Center

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