

# THINK GREEN

Improved stability and reliability of  
transmission and distribution systems



THE BATTERY OF THE FUTURE



energy  
Storage Solution

125kW/215kWh



# The Range of ECO ESS Products

## Our main products

1. Modular UPS from 30KVA to 600KVA
2. MDC (Micro Modular Data Center)
3. Lithium ESS (Energy Storage System)
4. Online UPS from 1KVA to 400KVA single unit
5. Single Phase Solar/AC Charging Off Grid Hybrid Inverter from 1KW to 40KW
6. Three Phases Off Grid Solar Inverter from 8KW to 200KW
7. Industrial Online UPS from 10KVA to 160KVA
8. IP55 Outdoor Cabinet for Telecom and Battery
9. IP55 Outdoor Online UPS from 1KVA to 10KVA

## Our main solution

1. Small and Medium Data Center Solution
2. Complete off grid solar power system
3. Lithium energy storage system



# Scalable Outdoor Energy Storage System

125kW/215kWh



## Highly Integrated

- ★ High power density with small footprint
- ★ Integrated transportation, simple on-site construction
- ★ Easy for positioning and wiring, plug and play
- ★ Built-in BMS, a variety of operation mode selection, improve revenue
- ★ Built-in fire protection system, safe and secure

## Highly Intelligent

- ★ SOC self-correction algorithm
- ★ Efficient bidirectional active equalization
- ★ Data visualization platform, supporting big data analysis and report statistics
- ★ Support remote upgrade and multiple communication methods
- ★ Modular design supports parallel connection and easy system scalability

## Highly Reliable

- ★ 3-level BMS architecture, a perfect protection mechanism
- ★ Multi-state monitoring and linkage actions ensure battery system safety
- ★ IP54 protection design, built-in HVAC, good environmental adaptability
- ★ Subsystems are perfectly matched for a variety of application scenarios
- ★ Real-time data monitoring, full life cycle data recording

## Application



PV-ESS-EV Charging station



Industrial Peak and Valley Arbitrage

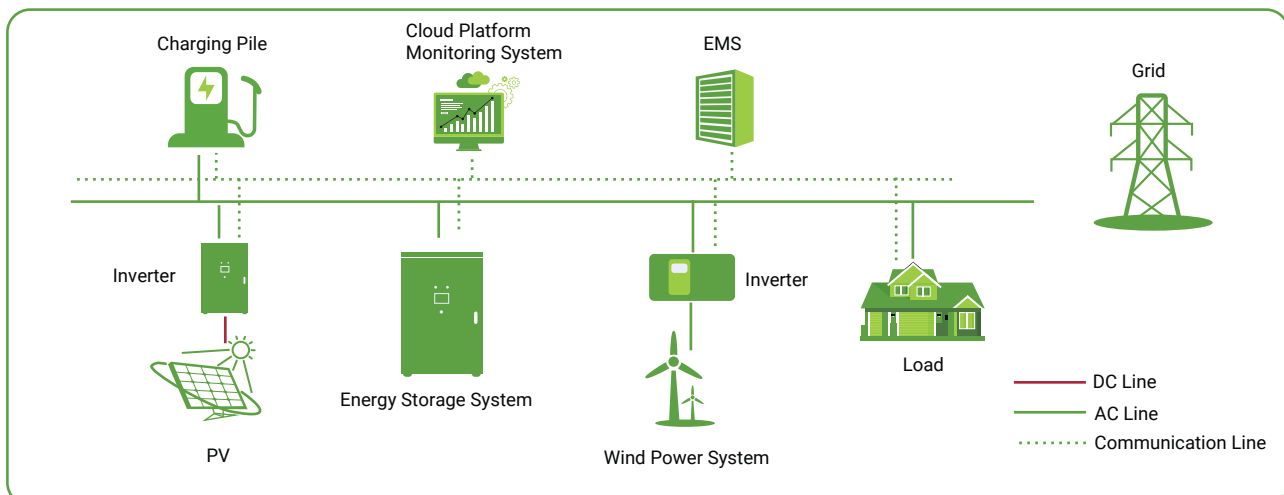


Power Distribution and Transformer Expansion



Demand Charge

## Application Topology



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# Distributed Outdoor Energy Storage System

## Specification

	Model : 125kW/215kWh	Specification
<b>AC Parameters</b>	Rated power	125kW
	Max. power	137.5kW
	Max. power	181A
	Max. current	199A
	THDi	<3%
	Rated voltage	400VAC
	Voltage range	±10%
	Rated frequency	50Hz/60Hz
	Isolation	Transformer (optional)
	Wire type	3P3W+PE
<b>DC Parameters</b>	Battery cell type	LFP, 280Ah
	Nominal energy (BOL)	215kWh
	Nominal voltage	768VDC
	Battery voltage range	648~864VDC
	Charging /Discharging mode	CP
<b>Other Parameters</b>	Degree of protection	IP54
	Operation temperature	-10~+45℃
	Storage temperature	-30~+50℃
	Altitude	≤2000m
	Relative humidity	5%~95% (No condensing)
	Cooling	Battery cabinet: Independent temperature control, air-conditioning cooling PCS & control cabinet: forced cooling
	Fire suppression system	FM-200 (Novec 1230 optional)
	Communication	RS485, Ethernet
	Dimension(W*D*H)	Battery cabinet: 1200*1050*2100mm PCS & control cabinet: 1850*1050*2350mm
	Weight	Battery cabinet: 1.8T PCS & control cabinet: 0.8T
Certification	UL1973, IEC62619, UN38.3, UN3536	

\* The specification shall prevail basically on the actual scenario and any changes without further notice.

