

Innovation
for A Better Life

COSLINK ESS

**CHANGE
YOUR ENERGY
PROVIDE
ENERGY
INDEPENDENCE**

EnerSmart-ES

Integrated Energy Storage Cabinet

www.coslinkess.com
Official Authorized ESS Integrator of CATL



Features and Advantages



Highly integrated

- All-in-one and modular design
- Easy installation and maintenance
- One-stop rapid deployment
- Built with LFP cells and high-efficiency active control optimizer



Smarter

- Smart operation & maintenance, online monitoring & maintenance
- Remote capacity assessment for reduced maintenance cost
- Automatic learning of installation environment and remote setting of equipment operating parameters



Reliable

- Smart voltage boosting, fulfilling the demand of remote power supply for high-power loads
- Allow for smart peak shafting for improved ROI
- Cycle life (PACK & system) over 6000 times

Leader of ESS Active Control Technology
Provide Professional OEM/ODM Solution and Product



UN38.3

Item	TC48V10.75kWh	TC48V21.5kWh	TC48V32.25kWh	TC48V43kWh
Max.Capacity [kWh]	10.75	21.5	32.25	43
Battery Module Quantity	1	2	3	4
Output Voltage Range [V]	42~58 (consistent voltage)			
Standard Discharging Power [kW]	3.8	7.6	8.1	15.2
Standard Charging&Discharging Current [A]	50	100	150	200
Max. Charging&Discharging Current [A]	70	140	210	280
Cycle Life [Times]	≥6000			
Dimensions [W*D*H, mm]	600*600 (Customized height based on battery module quantity)			
Weight [kg]	102	189	276	368
System Efficiency	≥91%			
IP Grade	IP20 (indoor), IP54 (outdoor)			
Working Temperature [°C]	-10~+45			
Storage Temperature [°C]	-30~60			
Humidity	5%~95% RH (non-condensing)			
Max. Paralleling Quantity	30 (CAN)			
Protection	Over-voltage,under-voltage,over-current,short-circuit, high and low temperature, cell failure, hardware failure, etc.			

Item	Description
System Data Detection	1.Real-time detection and collection of system operation data, including battery characteristics, battery operation status, cell voltage, temperature, overall voltage, current, alarms, protection, charging and discharging amount, SOC, SOH and other information. 2.DTU optional; support of cloud platform remote control (monitoring and control of onsite equipment)
Charging & Discharging Control	Support of local and remote reading and configuration of multi-period charging & discharging start and end time for the system
Capacity Assessment	Support of local and remote reading and configuration of capacity assessment start and end time
Electricity Price Setting	Support of local and remote setting of electricity tariffs for different time periods
Benefit Calculation	Built-in profit calculation algorithm that allows for different time frame charging & discharging statistics and tariff calculation
Working Temperature Detection	Real-time collection of battery working temperature
Communication	CAN*1, RS485*2
Application Scenario	1.Mixed use with lead-acid or new/old conventional lithium batteries 2.Energy storage and power backup 3.Off-peak power consumption, peak and valley arbitrage 4.Photovoltaic peak shaving, mixed use with diesel generator

Note: The above information may subject to update without prior notice.

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