

Innovation  
for A Better Life

**COSLINK** **ESS**

**CHANGE  
YOUR ENERGY  
PROVIDE  
ENERGY  
INDEPENDENCE**

**EnerSmart-ES**

Smart Base Station Energy Storage Cabinet

[www.coslinkess.com](http://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	11.4	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	Smart System Management			
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 local and remote reading and configuration of multi-period charging & discharging start and end time for the ESS			
Capacity Assessment	Support local and remote reading and configuration of capacity assessment start and end time			
Electricity Price Setting	Support 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.