

C&I ESS Cabinet

E30K/50K 60-XCHE



- Proven and safe, economical and environmentally friendly LiFePO4 battery module, providing long life and reliability
- High degree of modularization, simple structure, easy to install and maintain
- High-performance and high-efficiency BMS, compatible with a variety of communication protocols
- Comprehensive battery protection strategy to ensure the safety of the energy storage system
- Intelligent temperature control system, effectively extending the service life of the battery
- PACK targeted fire extinguishing function can be customized



Stable Power Supply



Precise Management



High Utilization



Long Life Cycle

Model	E30K/60-XCHE	E50K/60-XCHE
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Battery Parameters

Number Of Battery Packs	12	
Rated Voltage	614.4V	
Voltage Range	Nominal Charge	537.5~691.2V 5120Wh
Rated Energy	60kWh	
Max. Charging And Discharging Current	100A	
Communication	RS485/CAN	
Cycle Life	6000 Times	

PV Parameters

Max. PV Input Power	39kW	65kW
Rated Input Voltage	600 VDC	
Max. Input Voltage	1000 VDC	
MPPT Voltage Range	200-850 VDC	
PV Input Current	36+36+36 (A)	36+36+36+36 (A)

AC Side Parameters

AC Rated Input/Output Power	30kVA	50kVA
AC Max. Input/Output Power	33kVA	55kVA
AC Rated Input/Output Current	45.6A	75.8A
AC Max. Input/Output Power	60A	83.3A
Voltage	3L/N/PE;23/400V	
Frequency	50/60Hz	
THDi	≤3%	
Power Factor	0.8 Leading to 0.8 Lagging	

System Parameters

Dimensions[W*H*D](mm)	1200*2160*750 mm	1200*2160*750 mm
Weight	860kg	880kg
Communication	CAN/RS485/WiFi/ETH	
Warranty	5 Years	
Expansion	Support in Parallel up to 150kw/180kwh	
Enclosure Protection Rating	IP55	
Cooling	Air Cooling	
Environment Temperature	-30~50°C	
Humidity	10%~95% RH	
Altitude	2000m	
Certifications	UN38.3 / CE / IEC62619 / VDE-AR-N 4105 / EC 62109	