

STELTEC

Safe, stable and smart

C & I ESS STE-C50 Series

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Extreme safety

- Three level protection.
- IP55 outdoor design.
- Battery life cycle management.

Flexible configuration

- Smart EMS and multi-scenario operation.
- Support EPS-level switching and microgrid operation.
- Highly integrated.

High cycle life

- Pack-level optimization.
- High precision SOC algorithm.
- Smart temperature management.

Intelligent and friendly

- Remote real-time data monitoring.
- Remote control and firmware upgrade.
- Realize pre-alarm and faults location.

Model		STE-C50-122	STE-C50-172
Battery Parameters			
Rated Energy	[kWh]	122.88	172.032
Cell Type		LFP(LiFePO4)	
Pack Capacity	[kWh]	10.24	14.336
Pack Number		12	
Rated Voltage	[V]	614.4	
Working Voltage Range	[V]	537.6 - 700.8	
PV Parameters			
Max.PV Input Voltage	[V]	1000	
Max PV Power	[KW]	75	
MPPT Voltage Range	[V]	200-850	
AC Paramters(Grid Port/EPS port)			
Max.Power	[KVA]	55	
Rated Power	[KW]	50	
Rated Voltage	[V]	380	
Rated Current	[A]	83	
Rated Frequency	[Hz]	50/60	
AC Format		3W+N+PE	
Power Factor(Grid Port)		1 (0.8 leading-lagging adjustable)	
Isolated Transformer(Grid Port)		NO	
System Parameters			
Max.System Efficiency		90%	
Max.Charging/Discharging Current	[A]	100	
Cycle Times		>6000 times(25℃ , 0.5C, 90%DOD,80%EOL)	
Communication		LAN/CAN/RS485	
IP Level		IP55	
Cooling		Air Conditioner(Battery Cabinet) Smart Fan(PCS)	
Working Temp.Range	[°C]	-20 to 55	
Working Humidity Range		0-95 % (No Condensation)	
Max.Altitude	[m]	3000	
Dimension	[W*H*D mm]	1070×1900×1080	1070×1900×1280
Weight	[KG]	<1600	<1900
Fire Fighting		Aerosol+Smoke Detection(Standard); Perfluorohexanone fire extinguisher(Optional)	