STELTEC

Safe, stable and smart

C & I ESS STE-HCO Series

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Ultimate reliability and servicability

The system achieves an incredible level of reliability through its fully modular architecture, whichenables multiple of redundancy;

Unified monitoring and data platform

It offers unparalleled real-time data in your pocket and on your laptop, enabling you to understand site operations anytime, anywhere;

Obsessively engineered for safety

Eliminate diesel handling, spills and devastaing diesel fires. Lack of moving parts makes the system orders of magnitude safer by design;

Support & Service

Remotely monitored by STELTEC for any issues. Quick and dedicated service team to support you on site.

PRODUCT FEATURES

Model		STE-HCO-60	STE-HCO-100	STE-HCO-200
Battery Parameters				
Rated Energy	[kWh]	61.44	102.4	200.704
Cell Type		LFP(LiFePO4)		
Pack Capacity	[kWh]	10.24	10.24	14.336
Pack Number		6	10	14
Rated Voltage	[V]	307.2	512	716.8
Working Voltage Range	[V]	268.8 - 350.4	448 - 584	627.2 - 817.6
PV Parameters				
Max.PV Input Voltage	[V]	1000		
Max PV Power	[KW]	60	60/120	120/180
MPPT Voltage Range	[V]	200-850		
AC Paramters(Grid Port/EPS port)				
Max.Power	[KVA]	33	55	110
Rated Power	[KW]	30	50	100
Rated Voltage	[V]	400		
Rated Current	[A]	43	72	144
Rated Frequency	[Hz]	50/60		
AC Format		3W+N+PE		
Power Factor(Grid Port)		1 (0.8 leading-lagging adjustable)		
Isolated Transformer(Grid Port)		Yes		
System Parameters				
Max.System Efficiency		90%		
Max.Charging/Discharging Current	[Hz]	200	200	250
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 Cabinet)		
Working Temp.Range	[℃]	-20 to 55		
Working Humidity Range		0-95 % (No Condensation)		
Max.Altitude	[m]	3000		
Dimension	[W*H*D mm]	2250×2360×1370	2250×2360×1370	2950×2480×1250
Weight	[KG]	<1760	<2320	<3500
Fire Fighting		PACK Level Aerosol+Smoke Detection		