

Lithium-ion Battery Residential ESS

HSD51-05P10L/15L/20L



Products Superiority



- Stable and Secure LFP Battery
- Cell/Module/System Triple Protection



- Modular Design
- Supports for Extended Application

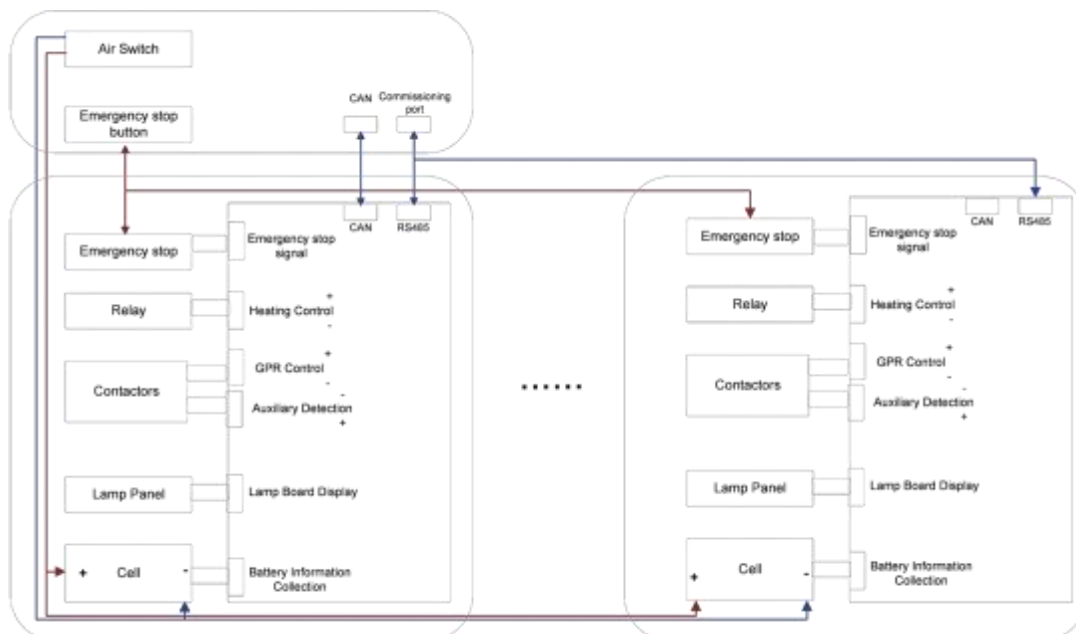


- Easy to handle, 30mins quick install
- Supports ioor stand or wall hanging



- IP65, Household Friendly
- Plug-and-Play, covers an area of 0.16m²

Architecture Diagram



Model	HSD51-05P10L	HSD51-05P15L	HSD51-05P20L
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Electrical

Number of Battery Modules	2	3	4
Single Module Energy(kwh)		5	
Rated capacity(Ah)	200	300	400
Rated Voltage(Vdc)		51.2	
operating Voltage (Vdc)		44.8~56.8	
Nominal Energy(kwh)	10	15	20
Usable Energy(kwh)	9.8	14.7	19.6

Conditions

working Environment Temp(oc)	-20~45
operating Temp(oc)	charge:0~53 Discharge: -20~58
operating Humidity Range(%)	5~95 (non-condensing)
Altitude (m)	<3000 (≥3000 derating)
Installation Environment	Indoor/Outdoor

Parameters

Communication Interface	cAN, RS485		
certification	IEc62619, IEC60730, IEC63056, UL9540, UL9540A, UL1973, UL60730, UN38.3, EMc		
Ingress protection	IP65		
Dimension (w * D * H)mm	705*239*846	705*239*1164	705*239*1482
weight (kg)	120	170	220

- 1.Test conditions: 100%depth of discharge (DoD), 0.2c rate charge S discharge at 25oc
- 2.charge/discharge derating occurs when the operating temperature from -20oc~ 5ocSover 45oc.