Lithium Battery Cluster System

CAL16-RH
CAL112/128/144/160/176/192/208/225/241/257-RH



Product Features

- Longer life cycles
- Higher power density
- Up to 4 clusters can be parallel connected
- Intelligent temperature and voltage collection to ensure battery safety
- Convenient and fast operation and maintenance, supporting cloud OTA
- Battery module-level fire protection (optional)

Technical Data

Model	CAL16-RH
Connection Style	16S
Nominal Energy (Wh)	16,076
Nominal Capacity (Ah)	314
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	44.8-57.6V
Recommend Charge Current (A)	157
Max. Continuous Charge Current (A)	157
Recommend Discharge Current (A)	157
Max. Continuous Discharge Current (A)	157
Operation Temperature	Charging: 0~55℃ Discharging: -20~55℃
Operation Humidity	0~85%RH (No condensing)
Protection Degree	IP20
Dimension (mm)	789*420*262mm
Net Weight (kg)	120
Installation	Rack mounted

Model	CAL112-RH	CAL128-RH	CAL144-RH	CAL160-RH	CAL176-RH	CAL192-RH	CAL208-RH	CAL225-RH	CAL241-RH	CAL257-RH
Pack Quantity	7	8	9	10	11	12	13	14	15	16
Nominal Energy (KWh)	112.53	128.61	144.69	160.76	176.84	192.92	208.99	225.07	241.15	257.22
Nominal Capacity (Ah)	314									
Nominal Voltage (V)	358.4	409.6	460.8	512	563.2	614.4	665.6	716.8	768	819.2
Operation Voltage Range (V)	313.6-403.2	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2	582.4-748.8	627.2-806.4	672-864	716.8-921.6
Recommended Charge Current (A)	157									
Max. Continuous Charge Current (A)	157									
Recommended Discharge Current (A)	157									
Max. Continuous Discharge Current (A)	157									
Max. Parallel Quantities (system)	4									
Operation Temperature	Charge Temperature: 0℃~55℃ Discharge Temperature: -20℃~55℃									
Operation Humidity	0~80%RH (No condensing)									
Protection Degree	IP20									
Fire Protection System	Aerosol fire suppression device (optional)									
Wi-Fi Module	Built-in Wi-Fi module ; app OTA function									
Dimension (LWH mm)	939*789*1071	939*789*1318	939*789*1318	939*789*1565	1392*789*1071	1392*789*1318	1392*789*1318	1392*789*1318	1392*789*1318	1845*789*1318
Net Weight (kg)	904	1028	1150	1274	1392	1514	1638	1760	1882	2002
Certification	IEC62619, CE-EMC, LVD, ROHS, UN38.3									
Communication	CAN, RS485									
Cycle Life	≥8000 cycles @ 90% DoD, 70% EOL,0.5C									