

BATTERY PACK - CAL40/60-RH

40/60kWh



NOMINAL CAPACITY

100Ah

MAX. CHARGING/DISCHARGING CURRENT

100A/100A

PARALLEL QUANTITIES

8/12PCS MODULES

CYCLE LIFE

≥6000 CYCLES (25°C, 0.5C/0.5C)



PRODUCT FEATURE

- Longer life cycles
 - Higher power density
 - Max. 1C discharge current
 - Higher usable energy ratio, less self-consumption
- Contains no toxic heavy metal or caustic materials
 - Up to 20 clusters can be parallel connected
 - Flexi bility modular design, from 30kWh to 60kWh each battery cluster

Technical Data

Model	CAL5-RH
Connection Style	16S
Nominal Energy (Wh)	5,120
Nominal Capacity (Ah)	100
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	44.8~57.6
Recommend Charge Current (A)	50
Max. Continuous Charge Current (A)	100
Recommend Discharge Current (A)	50
Max. Continuous Discharge Current (A)	100
Operation Temperature	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP20
Dimension (mm)	416W x 136H x 546D (Without ear and handle)
Net Weight (kg)	45
Installation	Rack mounted
Certification	/
Communication	Cascade
Cycle Life	6,000≥80%DOD, 70%EOL@25°C/0.5C

Model	CAL40-RH	CAL60-RH
Connection Style	128S	192S
Nominal Energy (kWh)	40.96	61.44
Nominal Capacity (Ah)	100	100
Nominal Voltage (V)	409.6V	614.4
Operation Voltage Range (V)	358.4~460.8	537.6~691.2
Recommend Charge Current (A)	50	50
Max. Continuous Charge Current (A)	100	100
Recommend Discharge Current (A)	50	50
Max. Continuous Discharge Current (A)	100	100
Max. Parallel Quantities (system)	20	20
Operation Temperature	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C
Operation Humidity	20~80%RH (No condensing)	20~80%RH (No condensing)
Protection Degree	IP20	IP20
Dimension (mm)	520Wx1,510Hx566D	520W x 2,070H x 566D
Net Weight (kg)	419	618
Certification	IEC62619, CE-EMC, LVD, ROHS, UN38.3	IEC62619, CE-EMC, LVD, ROHS, UN38.3
Communication	CAN, RS485	CAN, RS485
Cycle Life	6,000≥80%DOD, 70%EOL@25°C/0.5C	6,000≥80%DOD, 70%EOL@25°C/0.5C