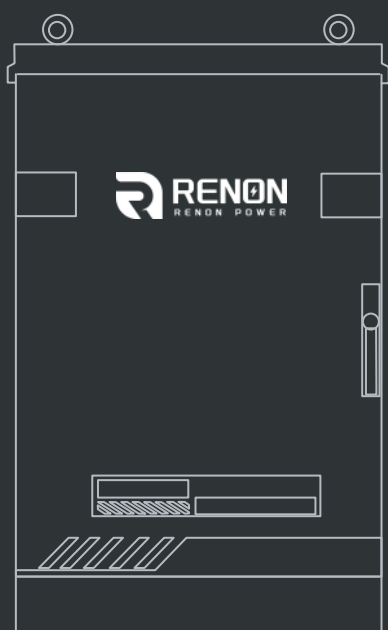


RENON ECUBE SERIES

DC Power Solutions

- Remote intelligent monitoring enables whole life cycle of products and services from installation and deployment, system operation, intelligent operation and maintenance, statistical analysis and fault repair
- Long cycle life, the system life can reach over 8000 times
- System provides direct current for energy output

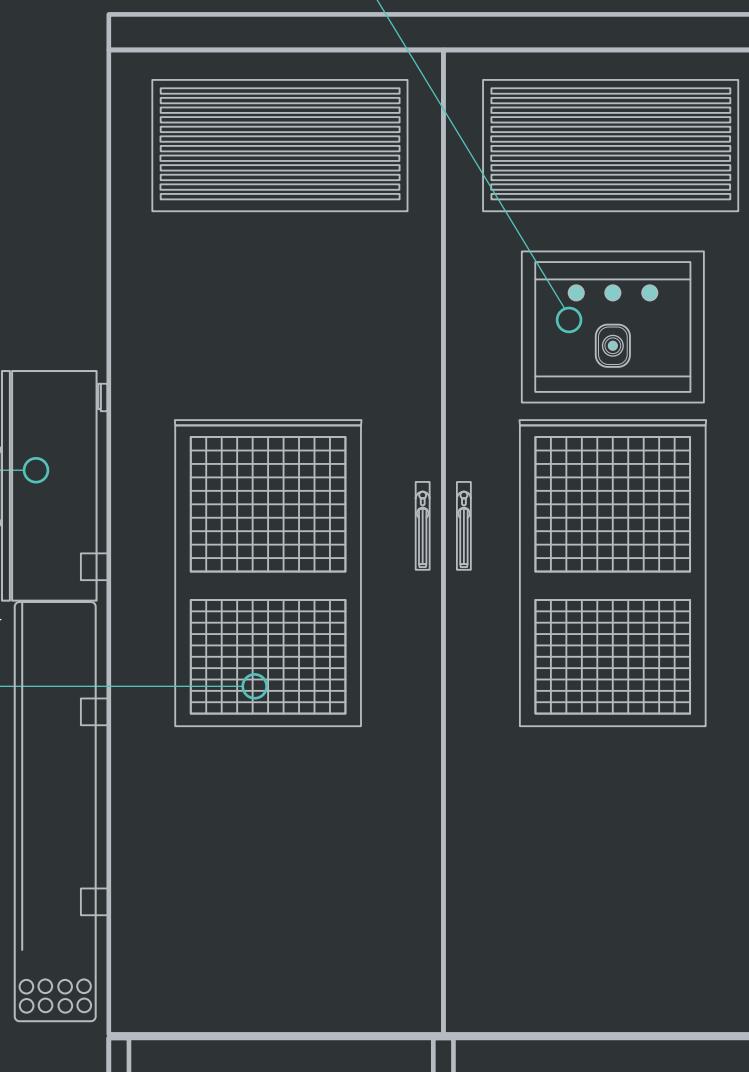


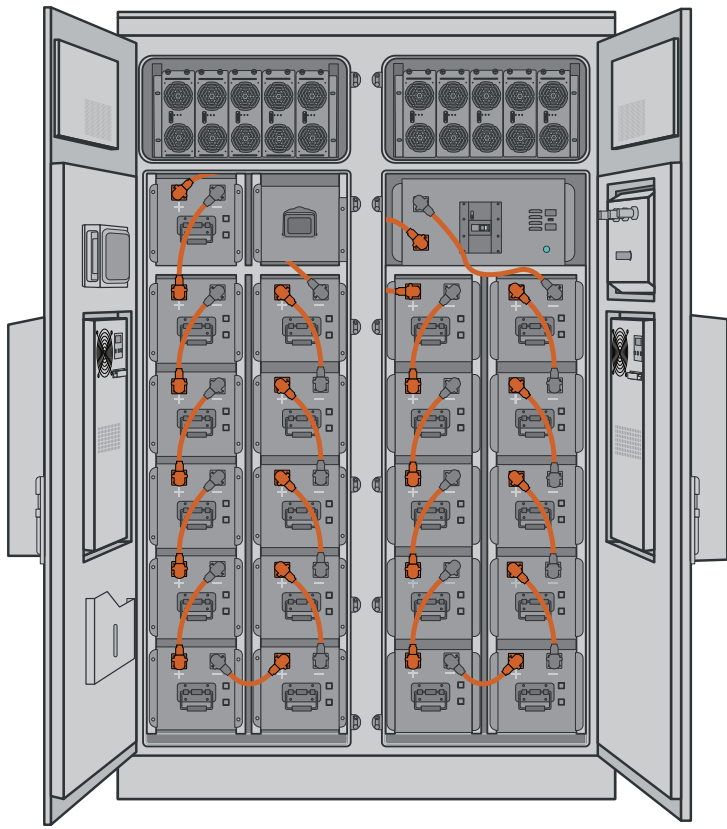
Indicator Light
Emergency Button

Combiner Box

Air conditioner

Micro-Grid ECube DC power solution provides direct current for commercial energy storage application. IP65 protection and constant temperature function of air conditioning, which is suitable for typhoon coastal areas. ECube is designed from bottom up with safety as the top priority, including protection features that make the entire system perform stably throughout the whole product life cycle. The system can be output in parallel and off-line and is widely used in remote mountainous areas, power-free areas, islands, communication base stations, and other application places.



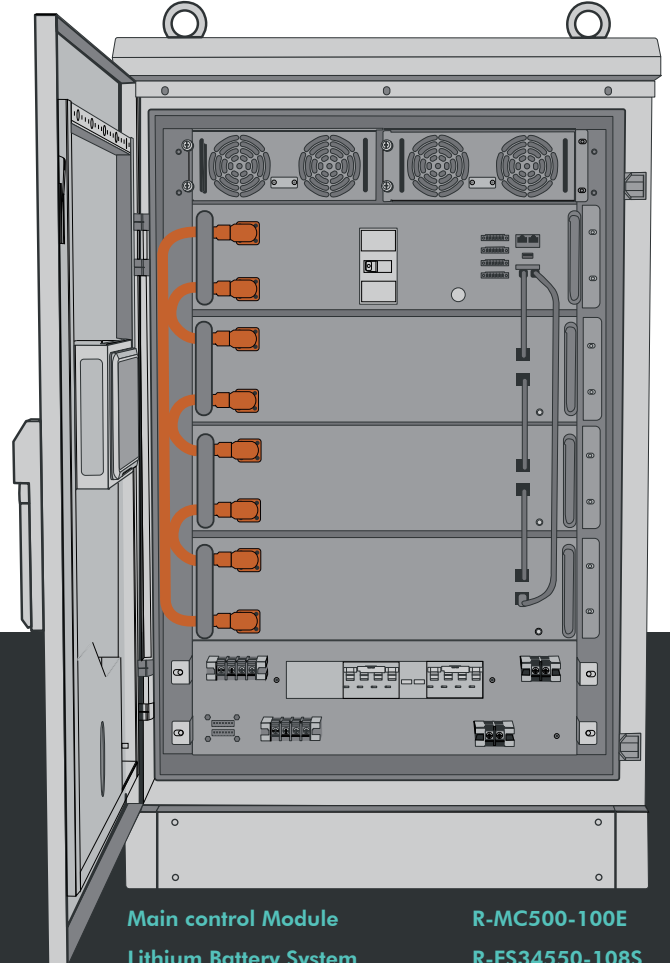


Main control Module
Lithium Battery System

R-MC650-300M
R-FS537280-168S

○ Battery	Nominal Capacity	280Ah&150kWh
	Voltage Range (V)	537.6~613
	Nominal Current (A)	280
○ PV Input	Voltage Range (V)	260~900
	Maximum Number of Parallel PV	20
○ DC-DC Output	Max Input Current (A)	33
	Voltage Range (Vdc)	150~750
	Current Range (A)	0~200
	Rated Current (A)	50*4
	Maximum Load Power	80kW@Voltage>400Vdc
	Voltage Stabilized Accuracy	<±0.5%
	Current Stabilized Accuracy	<±1%(output load 20%~100% of the rated range)
○ General Parameters	Weight (Approx.)	1500kg
	Dimensions (L*H*W)	1115*2070*1276mm
	Communication	RS485, CAN, Wi-Fi
	Cycle Life	8000 times@80%DOD
	Designed Calendar Life	≥10 years
	Parallel Capacity	Max. 10 units(Recommended 6 units)
	Level of Protection	IP55
	Cable Ourlet	Bottom

	Battery	○
Nominal Capacity	50Ah&17.28kWh	
Voltage Range (V)	316.44~394	
Nominal Current (A)	50	
	PV Input	○
Voltage Range (V)	260~900	
Maximum Number of Parallel PV	4	
Max Input Current (A)	50	
	DC-DC Output	○
Voltage Range (Vdc)	150~500	
Current Range (A)	0~50	
Rated Current (A)	50	
Maximum Load Power	12kW@Voltage>400Vdc	
Voltage Stabilized Accuracy	<±0.5%	
Current Stabilized Accuracy	<±1%(output load 20%~100% of the rated range)	
	General Parameters	○
Weight (Approx.)	340kg	
Dimensions (L*H*W)	680*1100*873mm	
Communication	RS485, CAN, Wi-Fi	
Cycle Life	8000 times@80%DOD	
Designed Calendar Life	≥10 years	
Parallel Capacity	Max. 10 units(Recommended 6 units)	
Level of Protection	IP55	
Cable Ourlet	Bottom	



Main control Module
Lithium Battery System

R-MC500-100E
R-FS34550-108S



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