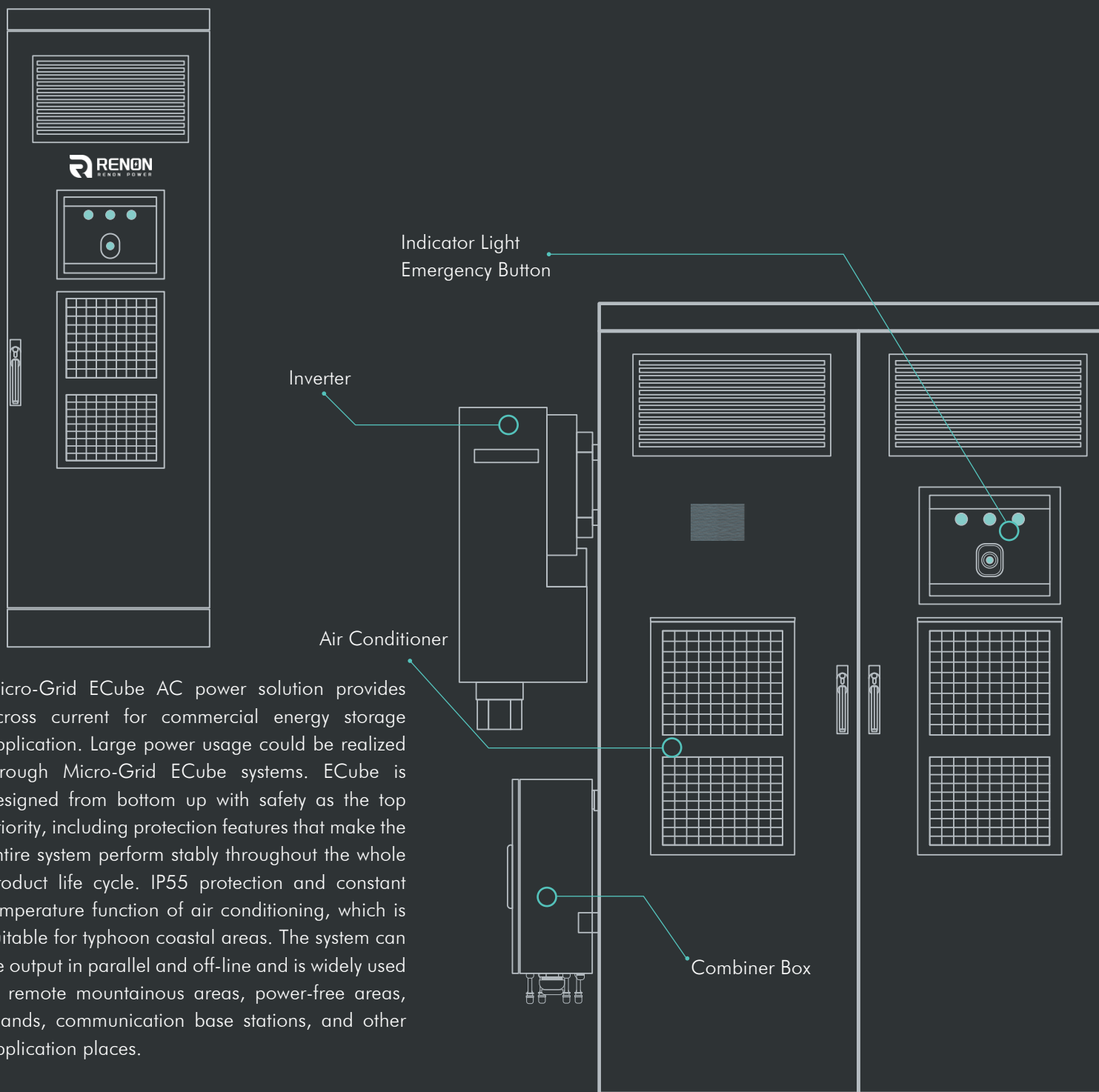


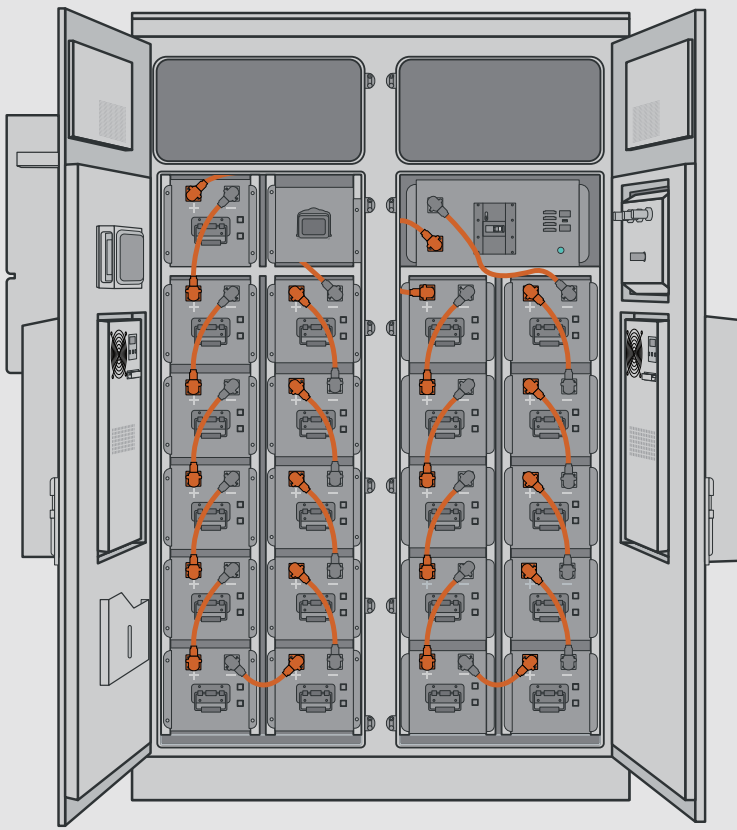
RENON ECUBE SERIES

AC 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
- The 80kW bidirectional inverter of the ESS adopts high efficiency, high power density, lightweight hardware structure, and standard modular design. With optional firmware and/or power-derating, it could also be used for 3-phase 400Vac/480Vac/208Vac or single-phase



Micro-Grid ECube AC power solution provides across current for commercial energy storage application. Large power usage could be realized through Micro-Grid ECube systems. 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. IP55 protection and constant temperature function of air conditioning, which is suitable for typhoon coastal areas. 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)	492.24~613
Nominal Current (A)	280

PV Input

Maximum PV Array Voltage (V)	1100
MPPT Voltage Range (V)	300~850
Max. Number of Parallel PV Array Inputs	16
Rated Branch Current (A)	12
Max. Branch Current (A)	13

PCS Output

Rated Voltage	380Vac (3 phase, 3 wire system)-Europe
Rated Voltage	200Vac (3 phase, 3 wire system)- Japan
Rated Voltage	480Vac (3 phase, 3 wire system)-USA
Rated Grid Frequency (Hz)	50/60
Rated Power (kW)	80
Current Range (A)	0-101.6
Rated Current (A)	92.4
Power Factor	0.8
Total Harmonic Distortion (%)	<3

General Parameters

Weight (Approx.)	1500kg
Dimensions (L*H*W)	1115*2070*1276mm
Communication	RS485, CAN
Cycle Life	8000 times@80%DOD
Designed Calendar Life	≥ 10 years
Parallel Capacity	Max. 10 units(Recommended 6 units)
Level of Protection	IP55
Cable Outlet	Bottom

Nominal Capacity	100Ah&60kWh
Voltage Range (V)	316.44~525.6
Nominal Current (A)	100

Battery

Rated Voltage	400Vac (3 phase, 3 wire system)-Europe
Rated Voltage	480Vac (3 phase, 3 wire system)-USA
Rated Grid Frequency (Hz)	50/60
Rated AC Power (kW)	30kW
AC Connection	3 phase+N+PE
Total Harmonic Distortion	≤3%

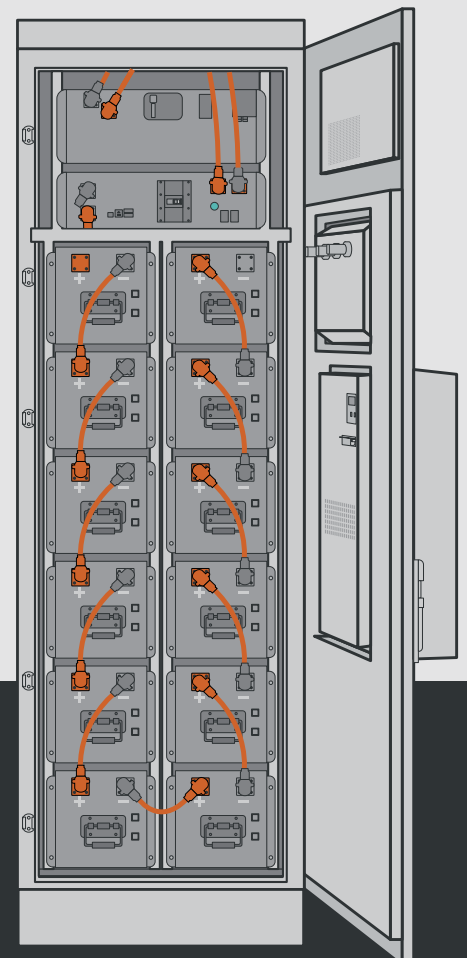
On Grid

Rated Voltage	400Vac/480Vac
Rated AC Power (kW)	30kW
Rated Grid Frequency (Hz)	50/60

Off Grid

General Parameters

Weight (Approx.)	780kg
Dimensions (L*H*W)	658*2080*828mm
Communication	RS485, CAN
Cycle Life	8000 times@80%DOD
Designed Calendar Life	≥ 10 years
Parallel Capacity	Max. 10 units(Recommended 6 units)
Level of Protection	IP55
Cable Outlet	Bottom



Main control Module
Lithium Battery System

R-MC750-150M
R-FS06030-192S



Info@renonpower.com
www.renonpower.com

RENON POWER TECHNOLOGY INC.