

UTILITY-SIZE SOLUTIONS DC ENERGY STORAGE SYSTEM

Ecube

- The remote intelligent monitoring system covers the product's entire life cycle, starting from installation and deployment, system operation, intelligent operation and maintenance, to statistical analysis and fault repair.
- Dynamic current equalizing technology, ensures the module's high operation reliability and security
- Battery life up to 8,000 cycles
- The system provides direct current for energy output as needed, with no need to consider the quality or SOC of old modules



The Micro-Grid ECube DC power solution offers direct current for commercial energy storage applications. The product features IP55 protection and a built-in air conditioning system with "constant temperature" function, making it suitable for areas where there is frequent bad weather. Designed with safety as a priority, ECube includes protection features that ensure stable performance throughout the product's lifecycle. The system supports parallel and off-line output and is widely used in remote mountainous areas, power-free regions, islands, communication base stations, and other application areas.

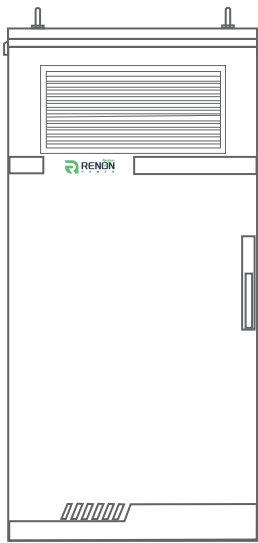


Scan to **Locate**



Scan to **Explore**





Battery

Cell Capacity (Ah)	50
Battery Module Combination	36S
Battery Module Quantity	4
Nominal Energy (kWh)	23.04
Voltage Range (V)	388.8~525.6
Max. Current (A)	48

PV Input

Voltage Range (V)	300~825
MPPT Number	1
PV String per MPPT	4
Max. Current per String (A)	15
Max. Current per MPPT (A)	50
Max. Power per MPPT (kW)	20

DC-DC Output

Voltage Range (Vdc)	150~1000
Current Range (A)	0~100
Rated Current (A)	50
Max. Load Power (kW)	15@Voltage>300Vdc
Voltage Stabilized Accuracy	<±0.5%
Current Stabilized Accuracy	<±1% (output load 20%~100% of the rated range)

General Parameters

Weight (Approx.) (kg)	435
Dimensions (W*D*H)	654*660*1400 mm
Communication	RS485, CAN
Cycle Life	8000 times@80%DOD
Designed Calendar Life	≥10 years
Enclosure	IP55
Cable Outlet	Bottom

Battery

Cell Capacity (Ah)	280
Battery Module Combination	8S
Battery Module Quantity	22
Nominal Capacity (kWh)	157
Voltage Range (V)	475.28~642.4
Max. Current (A)	274

PV Input

Voltage Range (V)	300~825
MPPT Number	4
PV String per MPPT	6
Max. Current per String (A)	15
Max. Current per MPPT (A)	50
Max. Power per MPPT (kW)	30

DC-DC Output

Voltage Range (Vdc)	150~1000
Current Range (A)	0~100
Rated Current (A)	50*3
Max. Load Power (kw)	90@Voltage>300Vdc
Voltage Stabilized Accuracy	<±0.5%
Current Stabilized Accuracy	<±1% (output load 20%~100% of the rated range)

General Parameters

Weight (Approx.) (kg)	2080
Dimensions (W*D*H)	1140*1584*2070 mm
Communication	RS485, CAN
Cycle Life	8000 times@80%DOD
Designed Calendar Life	≥10 years
Enclosure	IP55
Cable Outlet	Bottom

