

# DC POWER SOLUTIONS

# ECube

## ENERGY STORAGE SYSTEM

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### **Efficiency:**

The Renon Ecube DC is efficient, with a peak efficiency of 97.3%. This means you can leverage your energy storage system to cut costs and reduce your carbon footprint.

### **Long Lifespan:**

Renon Ecube DC has a design lifespan of over 10 years, making it long lasting. This means you can rely on your energy storage system for years to come without the need for expensive replacements.

### **Secure and Reliable:**

Dell's advanced security features ensure your storage system is always secure and reliable, protecting your property and investment.

# ECube DC Solution

The Renon ECube DC is a state-of-the-art DC microgrid solution, revolutionizing C&I energy storage. Available in two different capacities, 157 kWh and 23 kWh, it offers a versatile and cost-effective choice for companies looking to optimize their energy use.

The Renon ECube DC is aimed at maximum efficiency with a modularized design for easy customization and expansion. With a 10+ year design life, advanced security features and remote monitoring capabilities, the Renon ECube DC is the ultimate solution for businesses looking to improve game retention. Upgrade to a Renon ECube DC and experience the future of C&I energy storage.

## Constitute

	ECube 157kWh
main control module	R-MC650-300E
lithium battery system	R-EM25280-ECH01

## PV input parameters(Optional)

Voltage Range (Vdc)	300-825
Solar input rated voltage (V)	700
Maximum Input Voltage(V)	50

## DC-DC output

Voltage Range (Vdc)	150-1000
Current range (A)	0-100
Rated current (A)	50
maximum load power	80kW@Voltage > 300Vdc
load regulation	<±0.5%
Stable current accuracy	≤± 1% (output load 20% ~ 100% rated range)

## System overview

Total Weight	2080kg
Dimensions (W*H*W)	1115mm*2070mm*1276mm
communication	CAN,RS485
cycle	8000 times@80%DOD
service life	≥10 years
protective function	Overcharge protection, overdischarge protection, overcurrent protection, high temperature protection, low temperature protection, low pressure protection, short circuit protection.
Number of parallel connections	10
protection level	IP54

## Constitute

	ECube 23kWh
main control module	R-MC500-100E
lithium battery system	R-FS34550-144S

## PV input parameters(Optional)

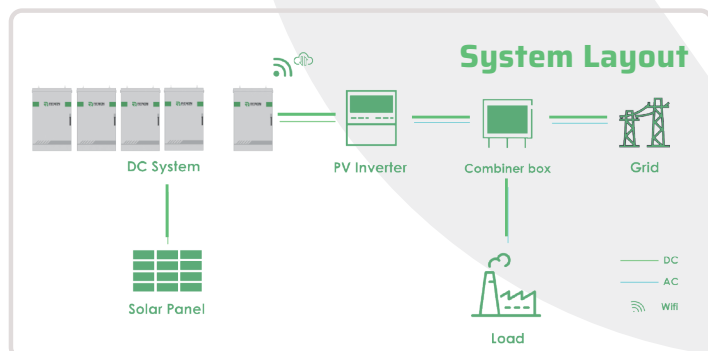
Voltage Range (Vdc)	300-825
Solar input rated voltage (V)	700
Maximum Input Voltage(V)	50

## DC-DC output

Voltage Range (Vdc)	150-1000
Current range (A)	0-100
Rated current (A)	50
maximum load power	15kW@Voltage > 300Vdc
load regulation	<±0.5%
Stable current accuracy	≤± 1% (output load 20% ~ 100% rated range)

## System overview

Total Weight	435kg
Dimensions (W*H*W)	654mm*1400mm*660mm
communication	CAN,RS485,RS232
cycle	8000 times@80%DOD
service life	≥10 years
protective function	Overcharge protection, overdischarge protection, overcurrent protection, high temperature protection, low temperature protection, low pressure protection, short circuit protection.
Number of parallel connections	10
protection level	IP54



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2023-02-03

