

# MECC Series MECC-5KW- 5.12KWh

## Residential energy storage system Standard Proposal

PV Power	Equipment	Remark
MECC-5.5KW- 5.12KWh	PV	5900Wp
	Inverter	5KW
	Battery	5.12 KWh



### HIGHLIGHTS:

- Mecc provides the integrated system solution with one stop service
- Optimal configuration, high cost performance ratio
- Lithium battery and inverter communication matching

5.12KWH per module.  
Picture shows the expansion module

### PRODUCT TOPOLOGY



# RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
MECC-5KW-5.12KWh 5900Wp/5.5kW/ 5.12kWh	PV modules	MECC590M10-72HPH	pcs	10	10pcs/string, 1string
	Inverter	MECC-5000BLV-48	pcs	1	Communicate with battery
	Battery	MECC48106	pcs	1	Cables included
	Connector	MC4	pair	4	
	PV cable	PV1-F 1*4mm <sup>2</sup>	m	100	
	Moniting	WIFI module	pcs	1	Optional

## MODEL

## MECC-5KW-5.12KWh-Eco

### System Parameter

AC rated power	5000W
Battery capacity	5.12KWh Expandable
Ac voltage	220/230V
Rated grid frequency	50/60Hz

### Inverter Parameter

Model	MECC-5500BLV-48
Rated power	5000W
Frequency	50/60 Hz
Nominal Voltage	220/230VAC
Peak Efficiency (PV to INV)	>96 %
Max . PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	120~450VDC
Max . Solar InputCurrent	18A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	482*290*113
Weight (Kgs )	10

### Battery Parameter

Model	MECC48106
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	5120
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	100
Communication	Can/485
Dimensions, D x W x H(mm)	450*451*133
Weight (Kgs )	41.4
Design Life	10 years+
Cycle Life	>6000 @25°C

### Environment

Operation humidity range	0~95% (no condensation)
Maximum operation altitude	2000m
Working Temperature	0°~ 50°C Charge ; -10°~ 50°C Discharge
Shelf Temperature	-20°~ 60°C