

MECC Series

MECC- 10KW- 10.24KWh

Residential energy storage system Standard Proposal

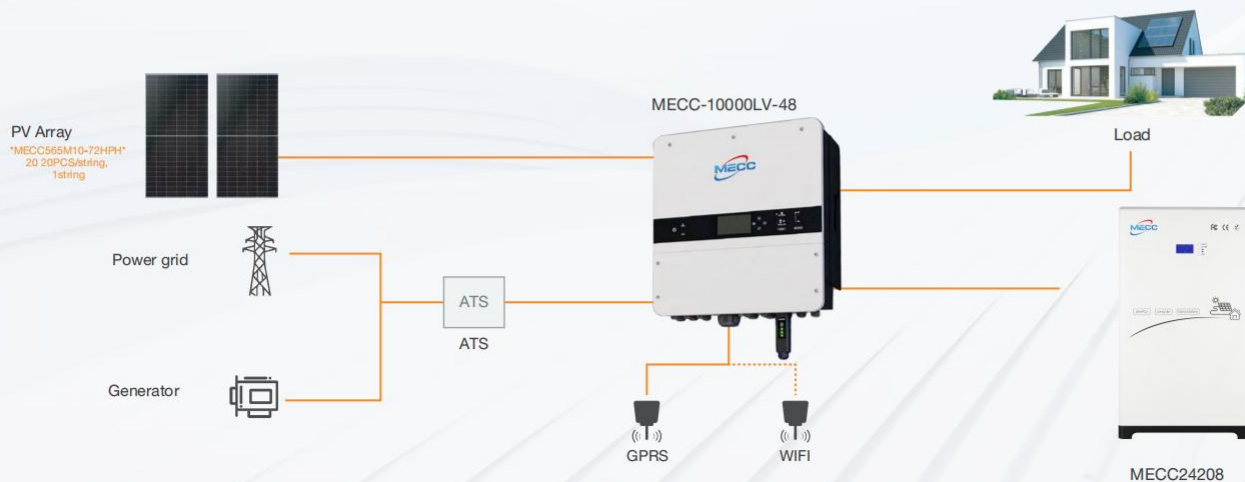
PV Power	Equipment	Remark
MECC- 11KW- 10.24KWh - Eco	PV	11800Wp
	Inverter	10KW
	Battery	10.24KWh

HIGHLIGHTS:

- Mecc provides the integrated system solution with one stop service
- Supports up to 10KW single-phase output
- Use lead-acid to replace batteries, which is cost-effective



PRODUCT TOPOLOGY



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
MECC-10KW-10.24KWh 11.8KWp/10kW/10.24KWH	PV modules	MECC590M10-72HPH	pcs	20	20pcs/string, 1string
	Inverter	MECC-10000LV-48	pcs	1	Communicate with battery
	Battery	MECC48208	pcs	1	Cables included
	Connector	MC4	pair	8	
	PV cable	PV1-F 1*4mm ²	m	150	
	Moniting	WIFI module	pcs	1	Optional

MODEL

MECC-10KW-10.24KWh

System Parameter

AC rated power	10KW
Battery capacity	10.24KWh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	MECC-10000LV-48
Rated power	10KW
Frequency	50/60 Hz
Nominal Voltage	220/230VAC
Peak Efficiency (PV to INV)	>94 %
Max . PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60~500VDC
Max . Solar InputCurrent	18A*2
Max . Charge Current	160A
Dimensions, D x W x H(mm)	540*415*122
Weight (Kgs)	15

Battery Parameter

Model	MECC48208
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51,2
Nominal Capacity (WH)	10240
Voltage Range (V)	44.8~57.6
Max. Charge/Discharge Current(A)	200
Communicaiton	/
Dimensions, D x W x H(mm)	1100*605*380
Weight (Kgs)	110
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