

MECC Series

MECC-3.5KW-5.12KWh-Eco

Residential energy storage system Standard Proposal

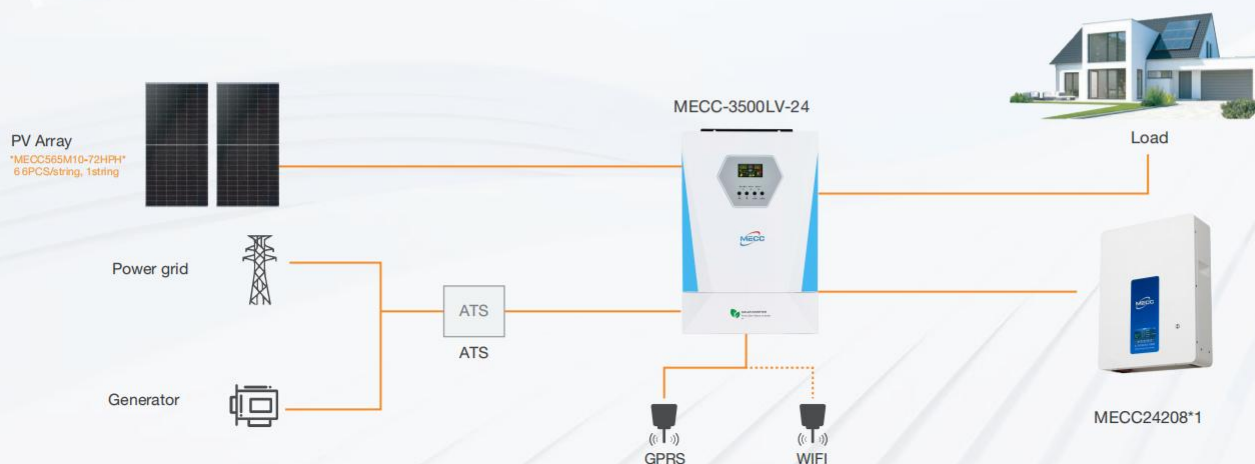
PV Power	Equipment	Remark
MECC-3.5KW-5.12KWh-Eco	PV	3540Wp
	Inverter	3.5KW
	Battery	5120Wh

HIGHLIGHTS:

- Mecc provides the integrated system solution with one stop service
- Optimal configuration, high cost performance ratio
- Lifepo4 battery,extra long life span



PRODUCT TOPOLOGY



RESIDENTIAL ENERGY STORAGE SYSTEM STANDARD PROPOSAL

PV Power	Equipment	Model	Unit	Quantity	Remark
MECC-3.5KW-5.12KWh 3540Wp/3.5kW/5120Wh	PV modules	MECC590M10-72HPH	pcs	6	6PCS/string, 1string
	Inverter	MECC-3500LV-24	pcs	1	
	Battery	MECC24208	pcs	1	Power cable included
	Connector	MC4	pair	3	
	PV cable	PV1-F 1*4mm ²	m	75	
	Moniting	WIFI module	pcs	1	Optional

MODEL

MECC-3.5KW-5.32KWh-Eco

System Parameter

AC rated power	3500W
Battery capacity	5120Wh
Ac voltage	220/230V
Rated grid frequency	50/60Hz

Inverter Parameter

Model	MECC-3500LV-24
Rated power	3500W
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	30~500VDC
Max . Solar InputCurrent	15A
Max . Charge Current	100A
Dimensions, D x W x H(mm)	330*278*98
Weight (Kgs)	3.8

Battery Parameter

Model	MECC24208
Battery Type	LiFePO4(LFP)
Nominal Voltage (V)	51.2
Nominal Capacity (WH)	5120
Voltage Range (V)	20~29.2
Max. Charge/Discharge Current(A)	200
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Dimensions, D x W x H(mm)	520*269*229
Weight (Kgs)	42
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