

125kW/261kWh

Liquid Cooling All-in-one System

FelicityMatrix 500 Series

Features



BAT, BMS, PCS,
EMS Integration



Remote Monitoring
via FSolar APP



Grid-to-off-grid
Transfer



Peace of Mind with
Fire Protection Module



C4 anti-corrosion
and IP55 Cabinet



Liquid-cooling Chiller
for Optimal System Temp



Reliable Detection with
Smoke, Temp, and
Immersion Sensors



≥ 8000 Cycles Life



FLM500-125/261

Model	FLM500-125/261
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DC Side

Cell type	LFP 3.2 V / 314 Ah
System battery configuration	260S1P
Nominal capacity	261.2kWh
Nominal voltage	832V
Voltage range	728~936V
Charge/discharge rate	0.5P
Depth of charge and discharge	95%

AC side

Nominal power	125kW
Nominal voltage	400V
Voltage range	360~440V
Access way	3P4L
Nominal frequency	50Hz/60Hz
THD	≤3%
DC component	≤0.5%
Power factor range	-1~1
Unbalance load capacity	100%

System Parameter

Maximum System efficiency	≥90%
Cycle Life[1]	≥8000
Dimensions (W * H * D)	1050*2400*1350(mm)
Weight	2670KG
Degree of Protection	IP55
Anti-corrosion Degree	C4
Noise	≤75db
Operation Humidity Range	0-95%
Operation Temperature Range	-25~55°C(Derating from 45°C)
Operating Altitude	2000m(Derating from 2000m)
Temperature Control Method	Liquid cooling
Fire Suppression System	Aerosol fire extinguishing equipment,Smoke detector, Heat detector, Water fire protection
Communication Interface	Ethernet /RS485
Max.Parallel Quantity	"On grid:20 pcs ; Off grid:6 pcs"
Standard	UN38.3、IEC62477、IEC61000、IEC62619、IEC63056、EN50549、IEC62109

[1]This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5C charge and discharge rate and SOH=70%.

*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's warranty policy for applicable conditions.

