

125kW/261kWh

Liquid Cooling All-in-one System

FelicityMatrix 500 Series

Features



BAT, BMS, PCS,
EMS Integration



Remote Monitoring
via FSolar APP



Ultra-Fast 20ms
Power 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
DC Side	
Cell Type	LFP 3.2V / 314 Ah
System Battery Configuration	260S1P
Nominal Capacity	261.2kWh
Nominal Voltage Range	728~936V
Depth of Charge and Discharge	95%
AC side	
Nominal Power	125kW
Nominal Voltage	400V
Access Way	3P4L
Voltage Range	340~460
Nominal Frequency	50Hz/60Hz
THDi	≤3%
Power Factor Range	-1~1
Unbalance Load Capacity	100%
System Parameter	
Cycle Life[1]	≥8000
Dimensions (W * H * D)	1050*2400*1350(mm)
Weight	2670KG
Degree of Protection	IP55
Anti-corrosion Degree	C4
Operation Humidity Range	0-95%
Operation Temperature Range	-25~55°C
Operating Altitude	2000m(Derating from 2000m)
Temperature Control Method	Liquid cooling
Noise	≤75db
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、UL9540A、EN50549、IEC62109

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

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

