

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 |
|-------|----------------|

DC Side

| | |
|-------------------------------|-------------------|
| Cell type | LFP 3.2V / 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 |
| 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 |

[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.

