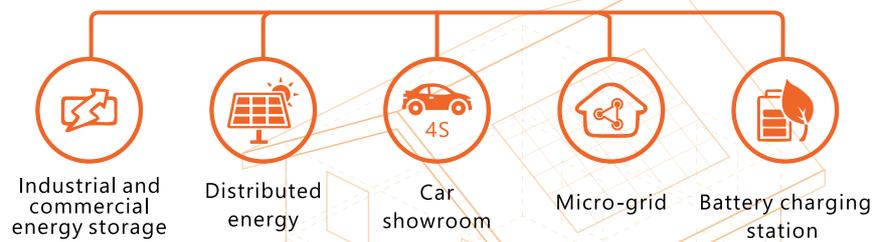




FLS-MES215AF-S
120KWP+100KW/215KWH
Air Cooling System 0.5Cp

Application Scenario



Features

- Long Life:**
Cycle life ≥ 6000
- Integrated:**
All in one design
- High Efficiency:**
Battery 94%, system 87%
- Easy Expand:**
With module design
- Easy Mantaince:**
Self diagnosis and fault location
- Easy Manage:**
Ready to work, auto switch on grid / off grid mode
- High Safety:**
No parallel / no circulating currents / three fire prevention
- Multi Branch:**
Support load, battery and PV

Specification

Model	FLS-MES215AF-S
DC	
Cell	LFP 280Ah
Number of MPPT	2
MPPT Operating Voltage/Full Load Voltage	250~ 850/450 ~850
Protection	Circuit braker and fuse
Pack Capacity /Arrangement	14.336KWH / 1P16S
Maximum PV Input Voltage/Power	1000V / 120kW
System Capacity /Arrangement	215KWH/1P240S
Nominal Current	140A
Charge/Discharge Rate	≤0.5Cp
DC Efficiency	94%
AC (On Grid)	
Nominal Output Power	100KW
Nominal Input Voltage	AC340V~460V
Power Factor	-1~1
Nominal Output Current	144A
Nominal Grid Frequency	50Hz/60Hz
Wiring	3P+N+PE
AC (Off Grid)	
Nominal Output Power	100KW
Nominal Input Voltage	AC400V
THD	Linear ≤1%/Nonlinear ≤5%
Nominal Output Current	144A
Nominal Grid Frequency	50Hz/60Hz
Transformer / STS	Isolated transformer inside / STS inside
Output Wiring	3P+N+PE
System	
Overall System Efficiency	87%&0.5P (STD)
Communication	RS485, CAN, TCP/IP
Fire Prevention	FK5112
DOD	5~95%
Charging/Discharging Rate	≤0.5Cp
Cooling Power	1.1 kW/ 3.0 kW
Cooling	Forced air cooling
Operation Temperature	-20°C~50°C(>45°C derating)
Cabinet Enclosure Protection for Cabinet	IP54
Relative Humidity Range	5~95%RH (no condensing)
Noise	<75dB
Weight	3900KG
Max. Operation Altitude	≤3000M
Size (MM)	2450L*1550D*2400H