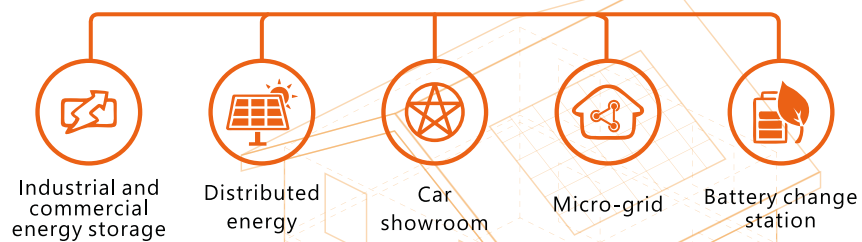












FLS-MES215AF-S
120KWP + 100KW/215KWH
Air Cooling System 0.5Cp

Application Scenario



Features

-  **Long Life:**
Cycle Life ≥ 6000
-  **High Integration:**
All in one Design
-  **High Efficiency:**
Battery 94%, System 87%
-  **Easy to Expand:**
with Module Design
-  **Easy Mantaince**
Self-Diagnosis and Fault Location
-  **Easy Management:**
Ready to Work with Auto Switch on Grid / Off Grid Switching.
-  **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
Output Wiring	3P+N+PE (Isolated transformer, STS inside)
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

