







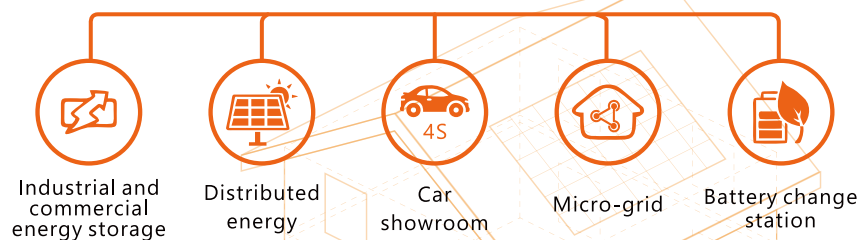
**FLS-MES215AF-S**  
**120KWP + 100KW/215KWH**  
**Air Cooling System 0.5Cp**

## Features

-  **Long Life:**  
Cycle life  $\geq 6000$
-  **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

### Application Scenario



# Specification

Model	FLS-MES215AF-S
<b>DC</b>	
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%
<b>AC (On Grid)</b>	
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
<b>AC (Off Grid)</b>	
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)
<b>System</b>	
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

