

FLYFINE



All In One Large Scale Microgrid System

C&I All-In-One ESS 50kW/120kWh
Battery+PCS+MPPT+Generator Port

CE MSDS IEC UN38.3 ISO



Easy to install and deploy
with large space utilization



With self-use, peak shifting, forced charging
& discharging and other working modes



Unique modular design &
flexible function configuration



Strong scalability, simple & convenient
expansion on both AC and DC sides

Model	FC120
Battery	
Battery Type	LiFePO4
Number of Battery Packs	6
Rated voltage	384V
Capacity	314Ah
Voltage range	300~438V
Rated energy	120.576kWh
Max. continuous charging	120A
Max. discharging current	120A
Discharge Depth	90%
Cycle life	8000 Cycles
PV Parameters	
Max. PV input power	75kW
Rated input voltage	620VDC
Max.input voltage	1000VDC
MPPT voltage range	150~850VDC
PV input current	40A*4
AC side parameters	
AC rated output power	50kW
AC Max. output power	55kVA
AC rated input/output current	83.3A
Isotransformer	Transformerless
Voltage	3L/N/PE; 230/400V
Frequency	50/60Hz
THDi	≤3%
Power Factor	0.8 leading to 0.8 lagging
System parameters	
Dimension W*H*D	W750*H2000*D1000mm
Weight	about 1100kg
Communication	CAN/RS485/WiFi/ETH
Design Life	10 years+
Expansion	Support 10 units in parallel
Enclosure protection rating	IP54
Cooling	Air cooling
Operation temperature	Charging: 0~50°C/ Discharge: -20~50°C
Humidity	10%~95%RH
Altitude	<2000m

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