

# NEW FROM SOLAX

## Aelio C&I ESS Cabinet



Based on the "All-in-one" concept, the system integrates large-capacity batteries, high-performance inverter, high-intelligence EMS and BMS into one single outdoor cabinet to support commercial and industrial energy storage applications.

## Features

### Safe and Reliable

- Equipped with active and passive fire protection to ensure the safety of system operation.

### Economical and Convenient

- Equipped with large capacity battery cells, it has higher efficiency, lower LCOS, and smaller system size.

### Simple O&M

- Configured with smart BMS monitoring and recording functions to realize fault warning and fault location.

### Flexible and Convenient

- Modular design, convenient system expansion, convenient transportation and operation and maintenance.

### Contact Us for More Information

[www.solaxpower.com](http://www.solaxpower.com)

AU: +61 1300 476529

DE: +49 6142 4091664

Global: +86 571-56260008

UK: +44 2476 586998

NL: +31 (0) 852 737932

[info@solaxpower.com](mailto:info@solaxpower.com)  
[service@solaxpower.com](mailto:service@solaxpower.com)



## INPUT PV

Max.recommended PV array power [kWp]	100	100 × 2
Max.DC voltage [V]		1000
Norminal DC operating voltage [V]		600
MPPT voltage range [V]		160 - 950
No. of MPP trackers	5	5 × 2
Strings per MPP tracker		2
Max. input current [A]		40
Max. short circuit current [A]		50

## AC SIDE

Norminal AC power [kW]	50	100
Max. apparent AC power [kVA]	55	55 × 2
Max. AC current [A]	79.7	79.7 × 2
Norminal AC voltage [V]		400 (-15% ~ 10%)
Rated grid voltage(AC voltage range) [V]		WYE, 400V / 220V
Nominal grid frequency [Hz]		50 / 60
Max. charge/discharge power [kW]		110
Adjustable power factor range		1 leading ~ 1 lacking
THDi (rated power) [%]		< 3

## BATTERY

Battery type	LFP / 280Ah	LFP / 280Ah
System configuration	1P112S	1P224S
Rated voltage [d.c. V]	358.4	716.8
operating voltage range [d.c. V]	280 ~ 408.8	560 ~ 817.6
Nominal capacity [kWh]	100	200
Rated power [kW]	50	100

## GENERAL

Max. Efficiency		> 98%
Protection degree		IP54
Operating temperature range [C]		-35 ~ 60
Max. operating altitude [m]		< 3000
Relative humidity [%]		0~ 100
Dimensions (WxHxD) [mm]	900 × 2200 × 1250	1650 × 2200 × 1250
Weight [kg]	1350	3000
Cooling method		Air cooling
Fire suppression		Perfluorohexanone
LCD Display		Optional
Communication interface		Ethernet / 4G / CAN / USB
Inverter topology		Non-isolated
Standard	IEC621619, IEC63056:2000, IEC61000-6-2&6-4, IEC62477-1, UN38.3	

## PROTECTION

Anti-islanding protection	YES
AC overcurrent protection	YES
DC reverse-polarity protection	YES
Insulation resistance detection	YES
Over/undervoltage protection	YES
Over temprature protection	YES
AC surge protection	Type II