



SMALL-SCALE C&I ESS SOLUTION

DEYE SUMMER GE SERIES



Safety protection

Lithium iron phosphate (LFP) batteries, battery packs and systems all use aerosol fire suppression solutions.



Integrated technology

EMS, hybrid inverter and BMS integration technology, power supply redundancy design, support for black start function, off-grid operation.



Total protection

Combustible gas, smoke and temperature detection, active exhaust system, fire alarm.



Flexible extension

Support battery expansion a maximum capacity of 3600kWh



Model		GE-F60
Main Parameter		
Cell Chemistry		LiFePO4
Module Energy (kWh)		5.12
Module Nominal Voltage (V)		51.2
Module Capacity (Ah)		100
Battery Module Qty In Series (Optional)		12
System Nominal Voltage (V)		614.4
System Operating Voltage (V)		480~700
System Energy (kWh)		61.44
System Usable Energy (kWh) ¹		55.29
Rated DC Power		61.44
Charge/Discharge ² Current (A)	Recommend	50
	Nominal	100
	Peak Discharge(2 mins,25℃)	125
Working Temperature (℃)		Charge:0~55/Discharge:-20~55
Status Indicator		Yellow:Battery High Voltage Power On Red:Battery System Alarm
Communication Port		CAN2.0/RS485
Humidity		5%~85%RH
Altitude		≤2000m
IP Rating of Enclosure		IP55
Dimension (W×D×H,mm)		783×1059×2235
Weight Approximate (kg)		1070
Installation Method		Floor-Mounted
Storage Temperature (℃)		0~35
Operating Temperature (℃)		-30~45(>45 derating)
Recommend Depth of Discharge		90%
Cycle Life		25±2℃,0.5C/0.5C, EOL70%≥6000
Warranty ³		10 years
Certification		UN38.3/CB/CE/CEC/IEC 62040

1. DC Usable Energy, test conditions: 90% DOD, 0.3C charge & discharge at 25℃.
System usable energy may vary due to system configuration parameters.

2. The current is affected by temperature and SOC.

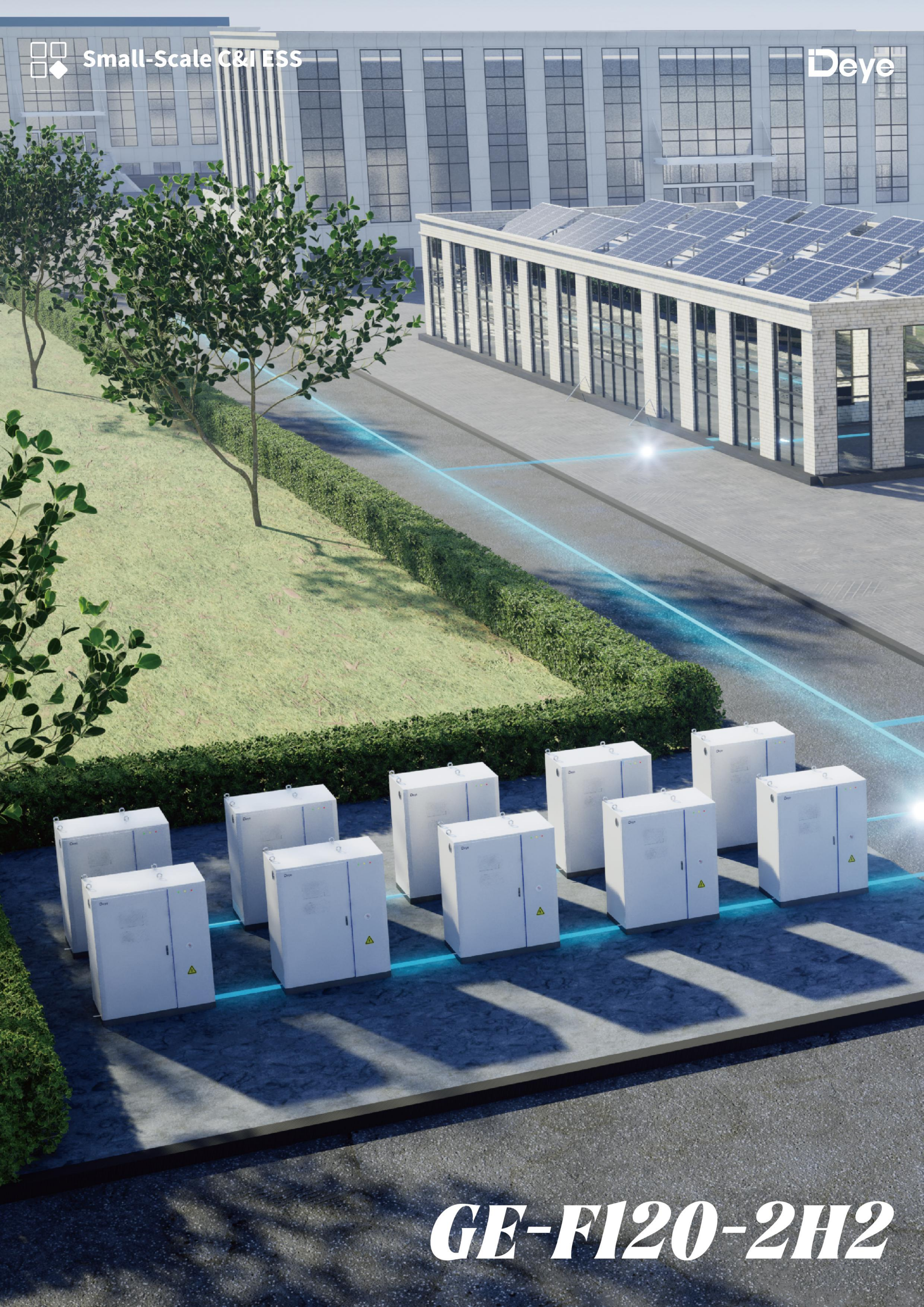
3. The warranty is due whichever reached first of warranty period or life cycle power.

4. Made in China.



Small-Scale C&I ESS

Deye



GE-F120-2H2

Model	GE-F120-2H2
System Specification	
Nominal Output Power/UPS Power (W)	50000
AC Output Frequency and Voltage	50/60Hz;220/380,230/400Vac
Grid Type	3L/N/PE
Number of Parallel(Off-grid)	10
Energy Configuration (kWh)	122.8
Dimension (W×D×H,mm)	1780×1056×2235
Weight Appr. (kg)	2090
AC Output Rated Current (A)	75.8
Battery Operating Voltage (V)	500~700
Max. RTE	89%
Battery Chemistry	LiFePO4
IP Rating of Enclosure	IP55
Installation Method	Floor-Mounted
Storage Temperature (°C)	0~35
Operating Temperature (°C)	-20~45(>45 derating)
Warranty	10 years
Inverter Technical Specification	
Max. PV Input Power (W)	65000
Max. PV Input Current (A)	36+36+36+36
Rated PV Input Voltage (Vdc)	600
Start Up DC Voltage (Vdc)	180
MPPT Voltage Range (Vdc)	150-850
Max. PV Short-circuit Current (A)	55+55+55+55
Number of MPPT	4
Peak Power (off grid)	1.5 time of rated power,10s
Power Factor	0.8 leading to 0.8 lagging
THD	<3%
DC Injection current (mA)	<0.5%In
Display	LCD
Operating Temperature Range (°C)	-40~60(>45 derating)
Relative Humidity	15%~85%(No Condensing)
Dimension (W×D×H,mm)	527×294×894
Inverter Communication	CAN,RS485,WIFI,ETH
Grid Regulation	VDE 4105,IEC 61727/62116,VDE 0126,AS 4777.2,CEI 0-21,EN 50549-1, G98,G99,C10-11,UNE 217002,NBR 16149/NBR 16150
Max. Efficiency	97.6%
MPPT Efficiency	99.9%
Battery Technical Specification	
Battery Module Nominal Voltage (V)	51.2
Battery Module Energy (kWh)	5.12
BMS Communication	CAN
Battery Module Dimension(W×D×H mm)	440×570×133
Battery Module Weight (kg)	44
Operating Temperature Range(°C)	Charge:0~55/Discharge:-20~55
Cycle Life	≥6000(@25°C±2°C,0.5C/0.5C,70%EOL)
Battery Module Certification	UN38.3,IEC 62619,IEC 61000

Typical application scenarios

For Small Commercial & Industrial

Farm

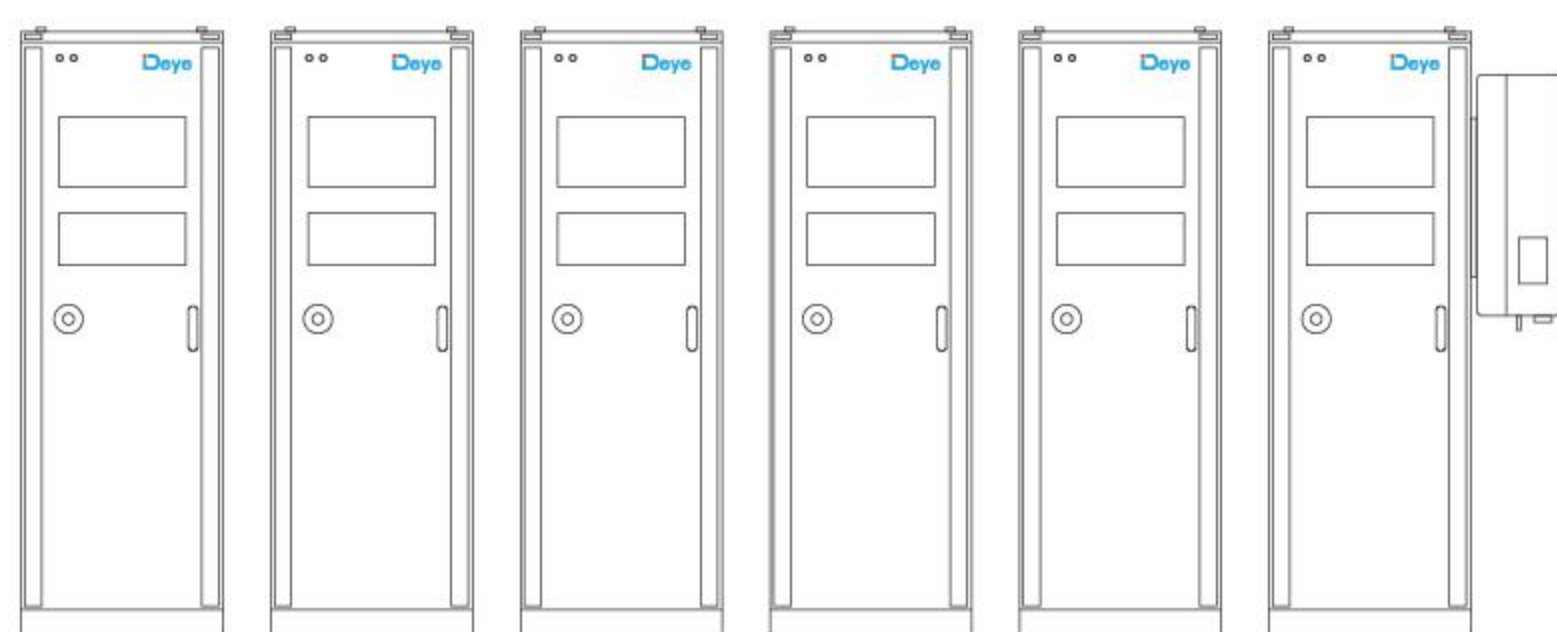
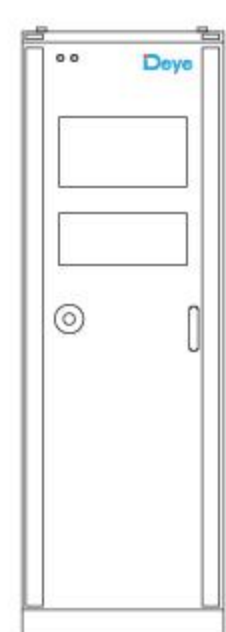
Mall or Shop

Factory

Commercial Building

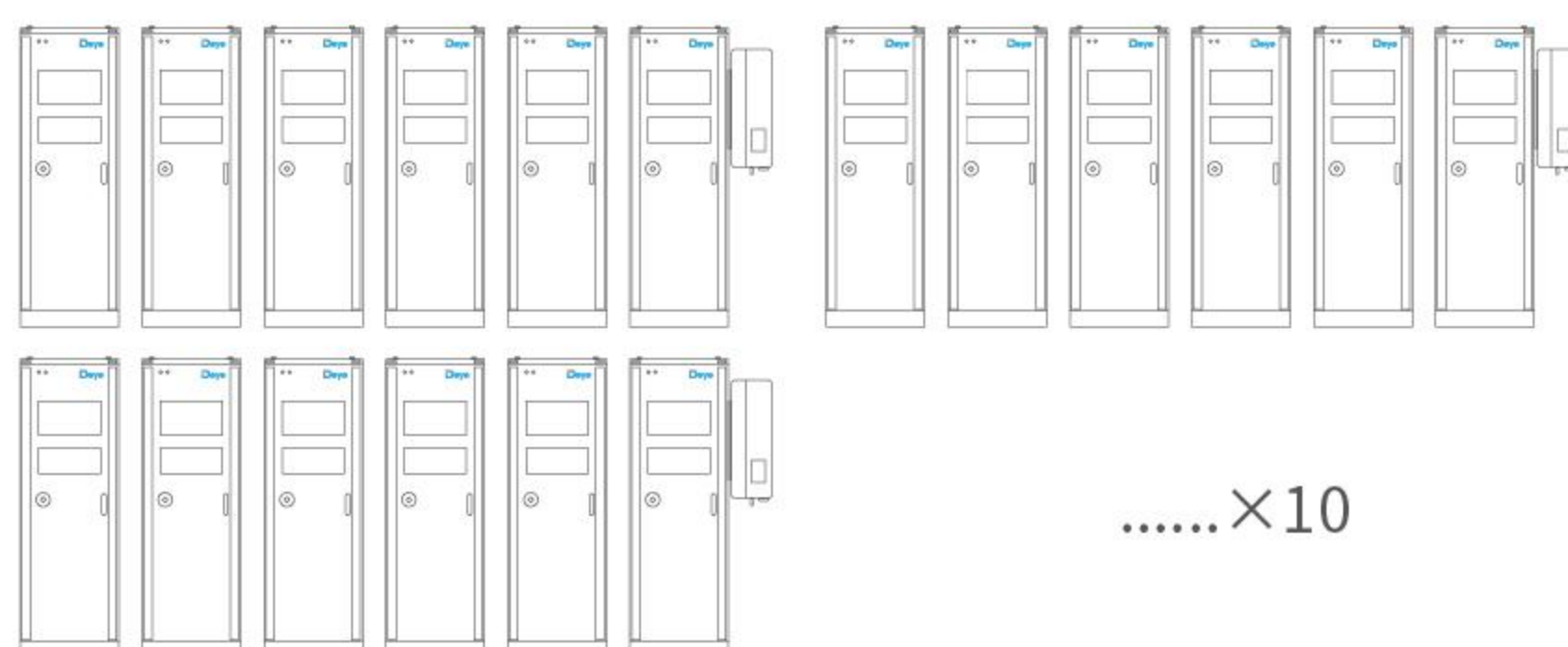
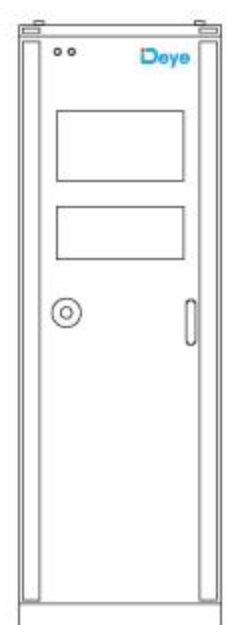


Product Expansion



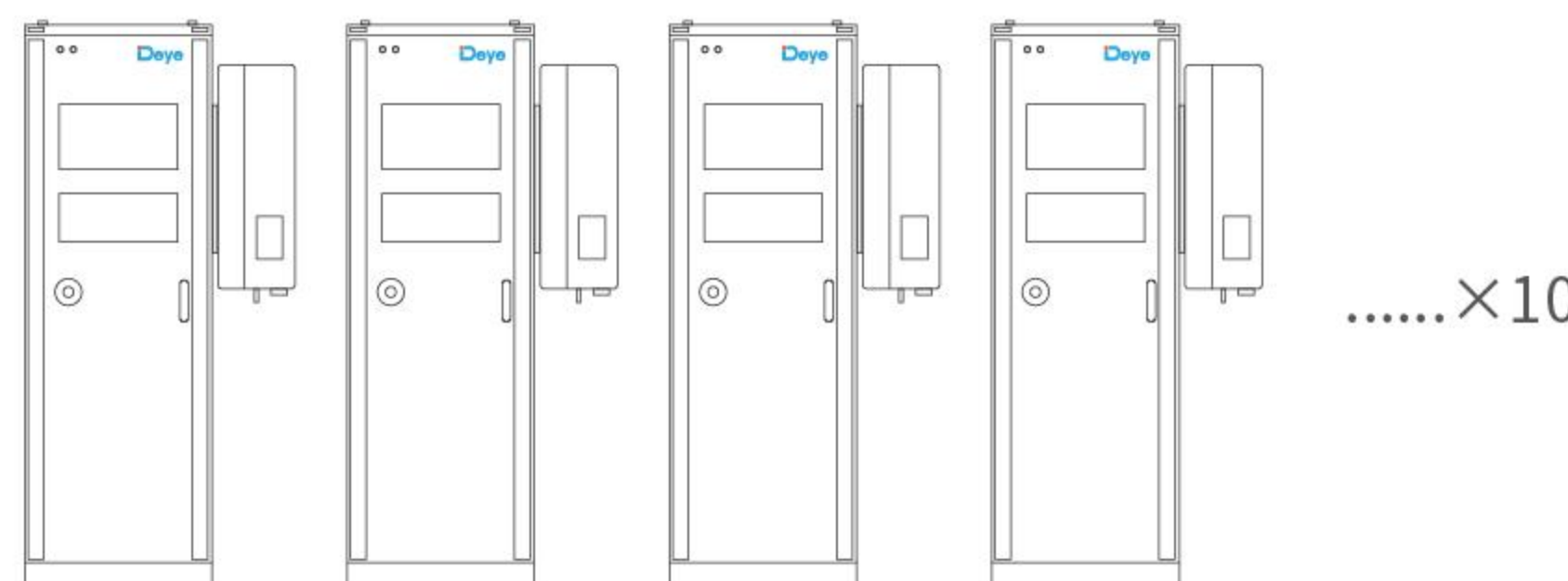
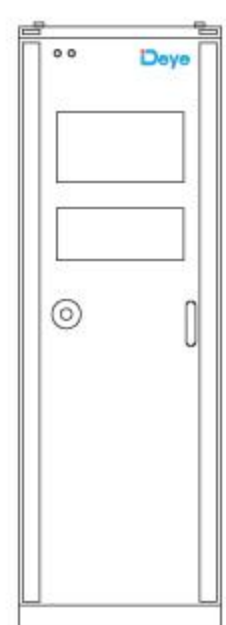
6×F60+50kW Inverter

Maximum 6 DC parallel-connected units
Up to: 50kW/360kWh



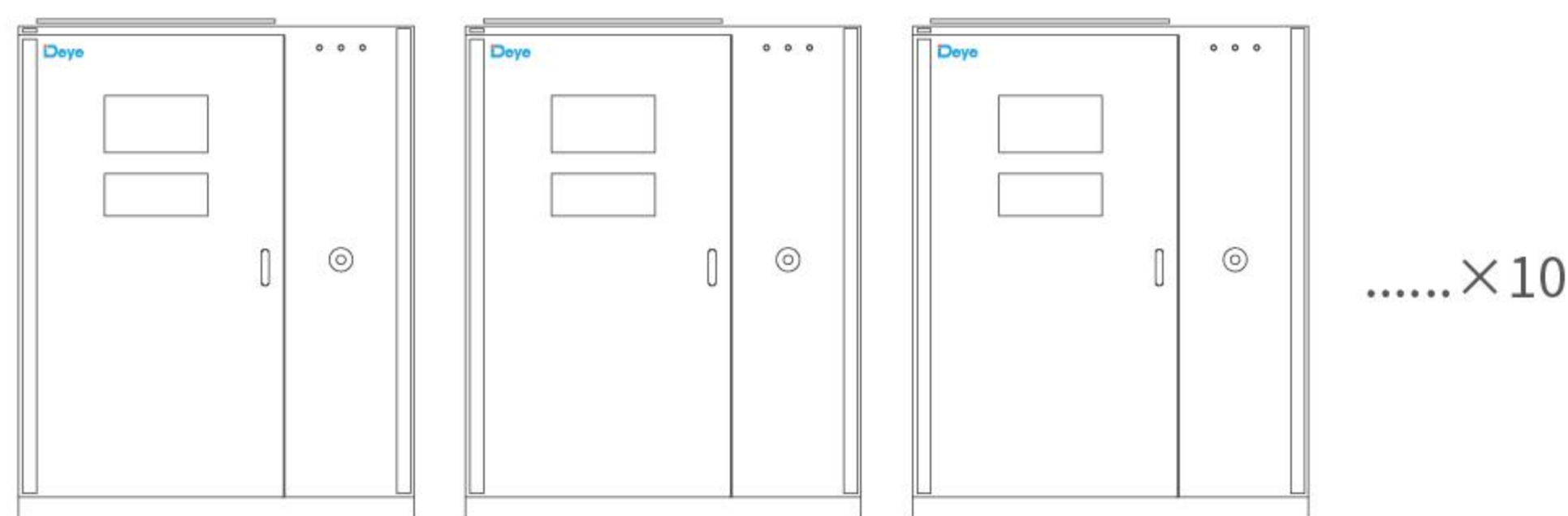
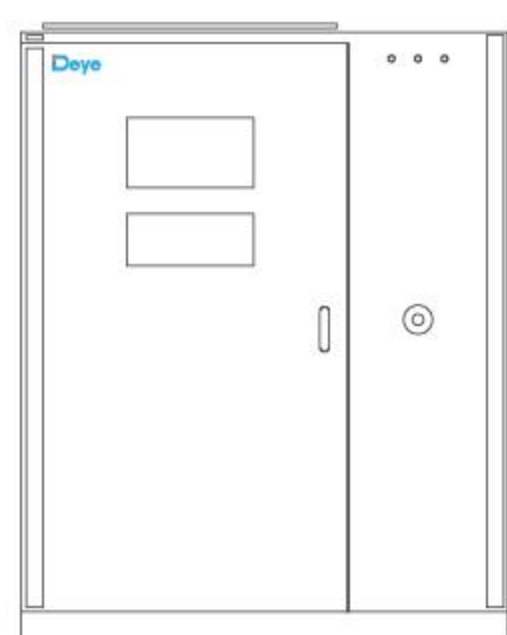
(6×F60+50kW Inverter)×10

Maximum 10 groups AC parallel
Up to:500kW/3600kWh



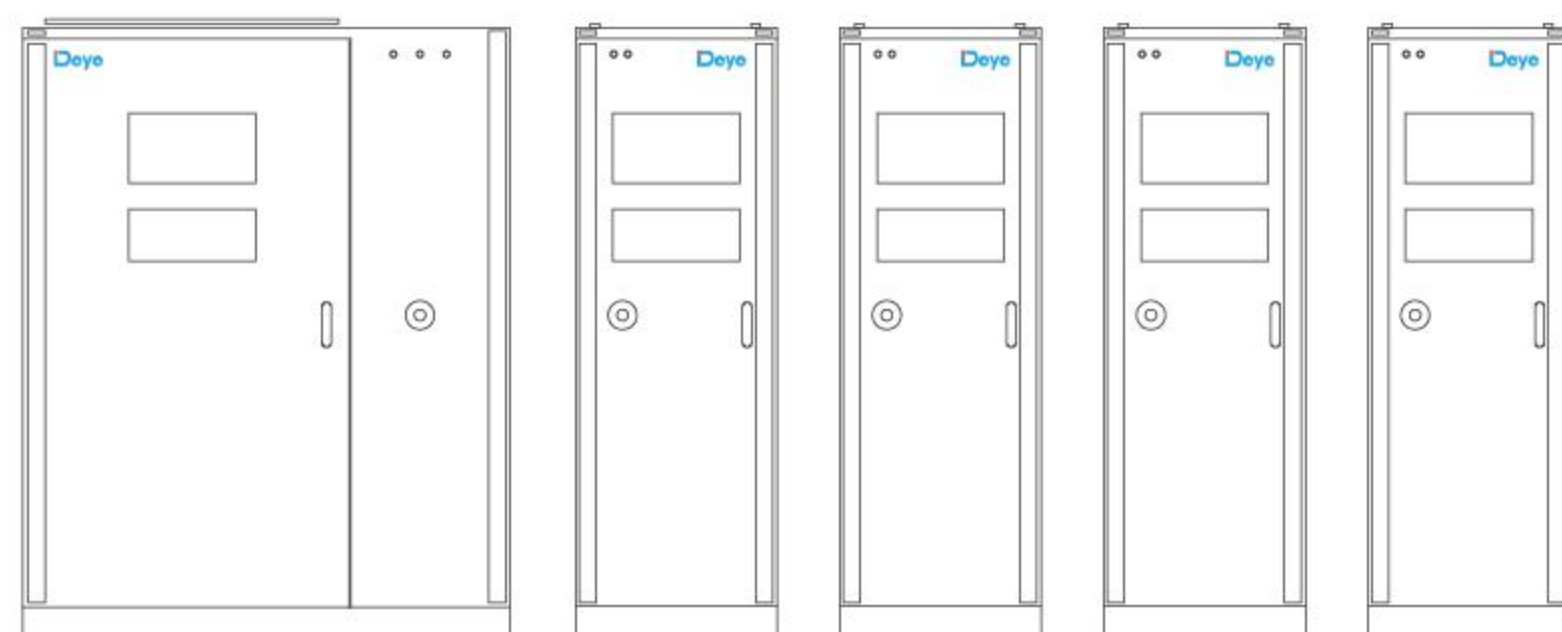
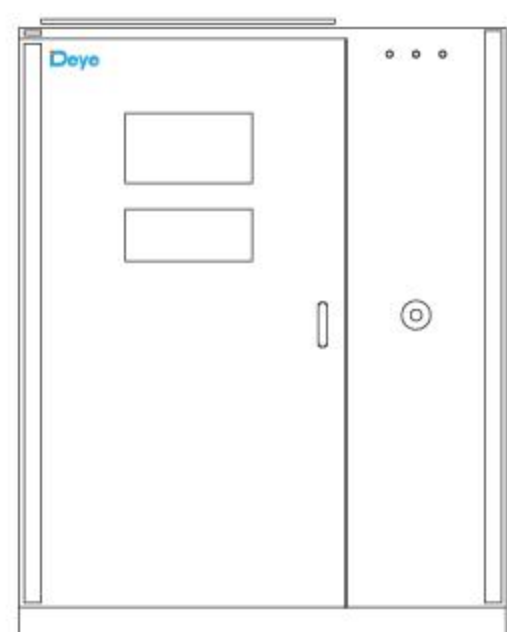
(F60+50kW Inverter)×10

Maximum 10 groups AC parallel
Up to:500kW/600kWh



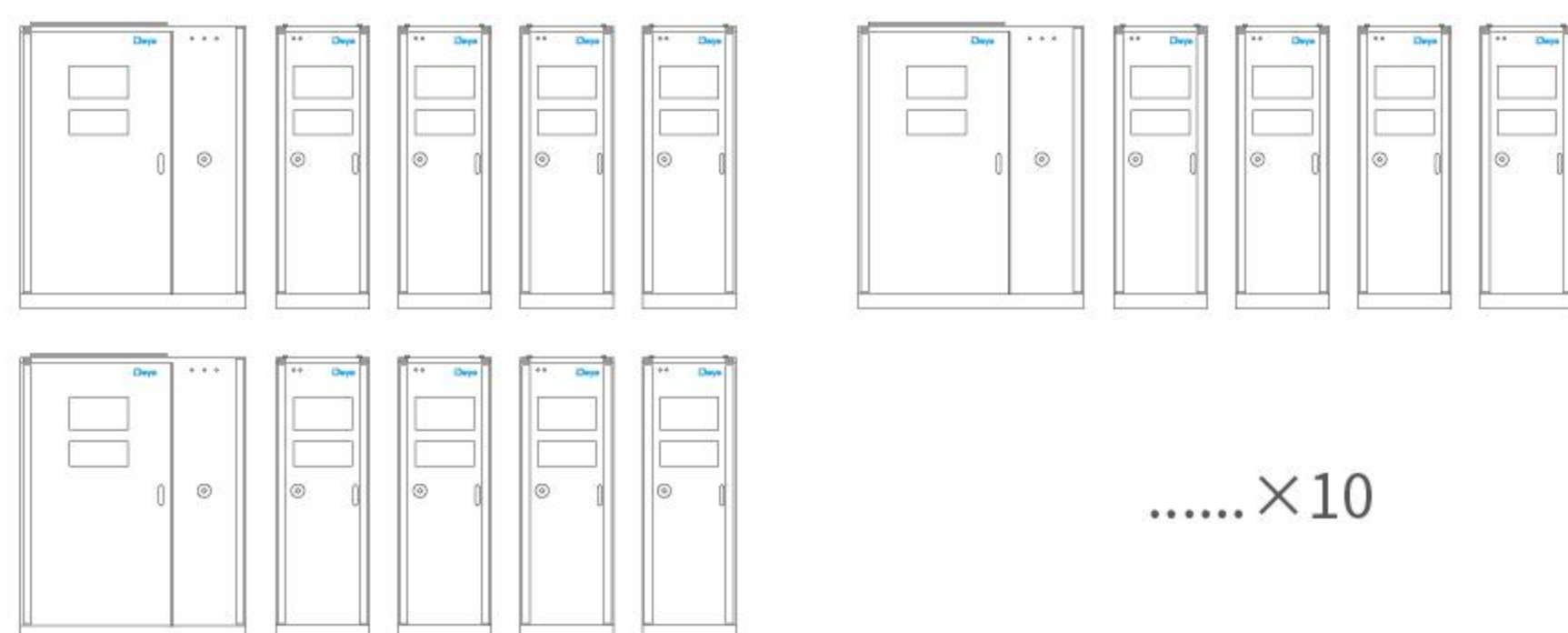
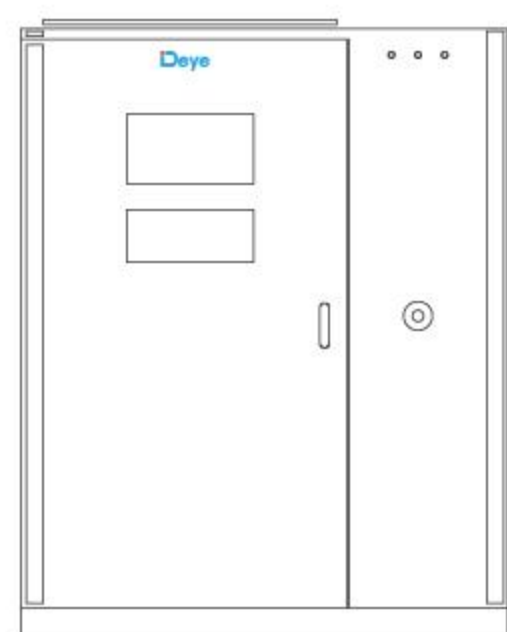
10×F120

30kW/50kW Inverter selectable
Up to:300kW/1200kWh
500kW/1200kWh



F120+4×F60

1+4 Combined DC Expansion
Up to:300kW/360kWh



(F120+4×F60)×10

Maximum 10 groups AC parallel
Up to: 300kW/3600kWh
500kW/3600kWh



Supporting the establishment, data acquisition, data monitoring.one-stop operation maintenance and after-sales service of all new energy power stations.

Through the Deye smart cloud big data platform, all types of power stations with transparent management which improves the value of power stations comprehensively.

CONNECT, MONITOR, CONTROL

Seamlessly integrated with Deye devices for a smarter,more efficient energy experience.

- User-friendly interface demystifies complex settings.
- Clear menu hierarchy, key information at your finger tips.

