

Deye

# SMALL-SCALE C&I ESS SOLUTION

DEYE SUMMER GE SERIES



## Total Protection

Combustible gas, smoke and temperature detection  
Active exhaust system  
Fire alarm



## Integrated Technology

EMS, hybrid inverter and BMS integration technology  
Power supply redundancy design  
Support for black start function, off-grid operation



## Flexible Extension

Support battery expansion a maximum capacity of 3600kWh  
( Off-grid )



## Safety Protection

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



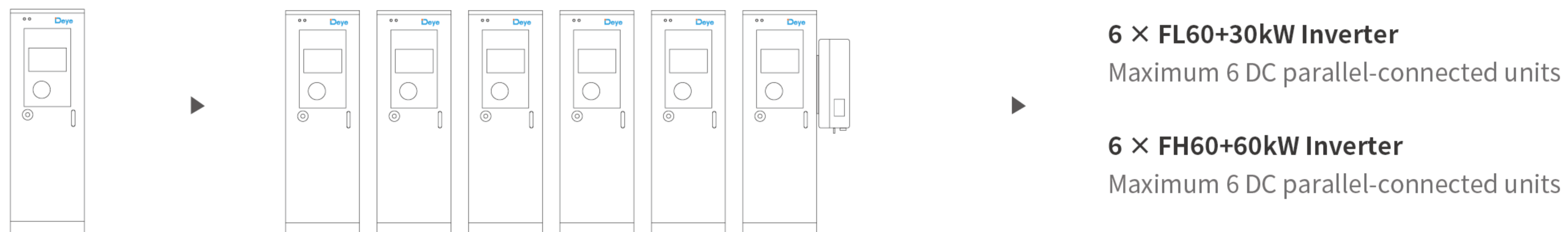
# Small-Scale C&I Battery Cabinet



Model	GE-FL60	GE-FH60
<b>System Specification</b>		
Nominal Output Power / UPS Power ( W )	30000	60000
AC Output Frequency and Voltage	50 / 60Hz; 3L / N / PE 120 / 208Vac	50 / 60Hz; 3L / N / PE 277 / 480Vac
Grid Type	Three phase	
Energy Configuration ( kWh )	61.4	
Dimension ( W × D × H, mm )	735 × 1050 × 2250 ( no contain inverter )	
Weight Appr. ( kg )	950 ( battery ) +80 ( inverter )	950 ( battery ) +75 ( inverter )
AC Output Rated Current ( A )	83.4	72.3
Battery Operating Voltage ( V )	240 ~ 350	480 ~ 700
Max. charging / discharging efficiency	89%	
Battery Chemistry	LiFePO <sub>4</sub>	
IP Rating of Enclosure	IP55	
Installation Style	Floor-Mounted	
Warranty	10 years	
<b>Inverter Technical Specification</b>		
Max. PV Input Power ( W )	39000	78000
Max. PV Input Current ( A )	36+36+36+36	
Rated PV Input Voltage ( Vdc )	380	600
Start Up DC Voltage ( Vdc )	180	
MPPT Voltage Range ( Vdc )	500	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	
Relative Humidity	15% ~ 85% ( No Condensing )	
Dimension ( W × D × H, mm )	527 × 294 × 894	
Inverter Communication	CAN, RS485, WIFI, ETH	
Safety EMC / Standard	UL1741, FCC	
Grid Regulation	IEEE 1547-2018, IEEE 1547.1-2020, UL 1699B, UL 1998	
Max. Efficiency	97.6%	
MPPT Efficiency	99.9%	
<b>Other Parameter</b>		
Operating Temperature Range	-30 ~ 60 ( >45°C derating )	
Cycle Life	≥6000 ( @25°C±2°C, 0.5C / 0.5C, 70%EOL )	
Battery Module Certification	FCC, UL1973, UL9540A, UN38.3	



**Product Expansion**

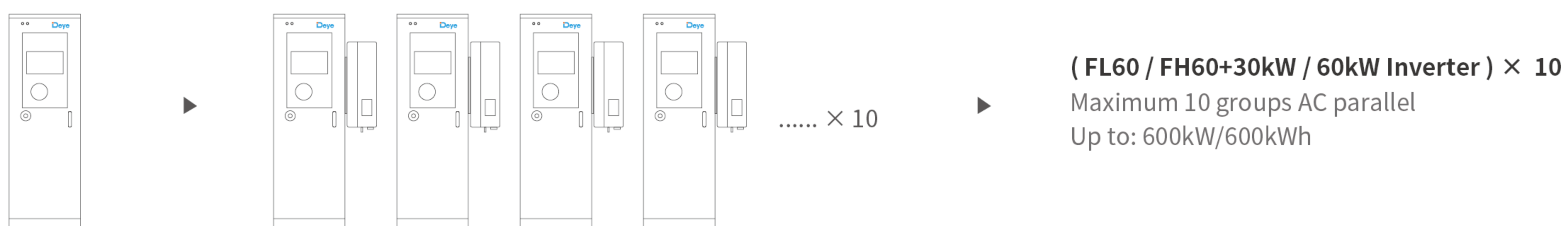


**6 × FL60+30kW Inverter**  
Maximum 6 DC parallel-connected units

**6 × FH60+60kW Inverter**  
Maximum 6 DC parallel-connected units



**( 6 × FL60 / FH60+30kW / 60kW Inverter ) × 10**  
Maximum 10 groups AC parallel  
FL60 combination : 300kW / 3600kWh  
FH60 combination : 600kW / 3600kWh



**( FL60 / FH60+30kW / 60kW Inverter ) × 10**  
Maximum 10 groups AC parallel  
Up to: 600kW/600kWh



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