

SP-eBank-F Series 30~50kW/80~107kWh

C&I Hybrid Inverter + Battery Cabinet



Unique modular design & flexible function configuration



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



Easy to install and deploy with large space utilization



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

- Flexible Design & Use
- Convenient Installation & Operation
- Energy Independence
- Smart Management

Battery parameters

	SP-eBank-3080F	SP-eBank-50120F
Number of battery packs	8	6
Rated voltage	409.6V	384V
Voltage range	320~467.2V	336~438V
Rated energy	84.3kWh	107.5kWh
Max. continuous charging & discharging current	100A	140A
Communication	RS485/CAN	CAN
Discharge Depth	95%	90%
Cycle life	6000 times	8000 times

PV parameters

Max.PV input power	39kW	65kW
Rated input voltage		600VDC
Max.input voltage		1000VDC
MPPT voltage range		135-900VDC
MPPT Max. Input Current	40A x 3	40A x 4

AC side parameters

AC rated input/output power	30kW	50kW
AC Max. input/output power	33kVA	55kVA
Overload capacity	110% continuous load; 130% short-term overload (85s duration)	
Maximum efficiency	97.6%	
Rated AC voltage	3LN/PE, 220/380 V, 230/400 V	
Frequency	50/60Hz	
THDi	<3% (Rated Power)	
Power factor (Adjustable)	0.8 leading ... 0.8 lagging	

System parameters

Dimension (W*D*H)	790*920*2148mm	750*1100*2000mm
Weight	931~1224kg	
Communication	CAN/RS485/WiFi/ETH	
Design Life	5/10 years+	
Expansion	Support in parallel up to 90kW/252.9kWh	
Enclosure protection rating	IP54	
Cooling	Air cooling	
Environment temperature	-30~50 °C	
Humidity	10%~95%RH	
Altitude	<2000m	