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Powered by Sieyuan

F1 Series

Stackable BESS
(Battery Energy Storage System)

KEY FEATURES

INSTALLATION FRIENDLY

- Easy installation,stackable design with MC4 connectors
- Lightweight modules, **35kg** per module
- **IP65** protection rating

FLEXIBLE

- Expandable system
- Modular scalability
- Support 3-8 modules per unit
  9.6kwh-25.6kwh

SAFE & RELIABLE

- **10 Years** warranty & **6000 Cycle** life
- Dual-laver insulation protection for battery cells and BMS
- Unit-level fault isolation
- **1000-hour** salt spray test

SMART CONTROL

- Remote start, software upgrades
- Real-time data monitoring

Shanghai Sieyuan Watten Technology Co., Ltd.
Member of Sieyuan Electric Co., Ltd.

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Technical data

Manufacturer		SieB-H9600-F	SieB-H12K8-F	SieB-H16K0-F	SieB-H19K2-F	SieB-H22K4-F	SieB-H25K6-F
Nominal Energy (kwh)		9.60	12.80	16.00	19.20	22.40	25.60
Usable Energy (kwh)*1		8.64	11.52	14.40	17.28	20.16	23.04
Module Type		SieB-H3200-F					
Module Parameter		64V 50Ah 615*360*175mm 35kg					
Cell Type		LFP (LiFePO4)					
Max. Module Configuration		3	4	5	6	7	8
Cell Configuration		1P60S	1P80S	1P100S	1P120S	1P140S	1P160S
Nominal Voltage (V)		192	256	320	384	448	512
Operating Voltage Range (V)		171~216	228~288	285~360	342~432	399~504	456~576
Max. Continuous Current (A)*2		30					
Max. Continuous Power (kW)*2		5.76	7.68	9.6	11.52	13.44	15.36
Communication		CAN / RS485					
Weight (kg)		120	155	190	225	260	295
Dimensions (W*D*H) (mm)		615*360*730	615*360*880	615*360*1030	615*360*1180	615*360*1330	615*360*1480
Operating Temperature (°c)		Charge: 0~50 / Discharge: -20~50					
Storage Temperature (°C)		20~45 (≤1Months) / -20~25 (≤6 Months)					
Humidity		5%~95%					
Altitude (m)		≤2000					
Enclosure Type		IP65 (Indoor / Outdoor)					
Cooling		Natural convection					
Installation Location		Floor-standing					
Display		SOC indicator, Status indicator					
Standard and Certification	Safety	IEC 62619					
	EMC	IEC 61000-6-1/3					
	Transportation	UN38.3					
	Others	RoHS, REACH					
Warranty*3		10 Years					

1. Test conditions: 3.0V~3.5V, 0.2C Charge (CC-CV) and Discharge at 25±3°C;
2. Max. Continuous Current/Power derating will occur related to Temperature / SOC / Humidity;
3. Refer to Swatten SieB-H-F Limited Warranty Letter;