

FM-SS-HV



Perfect Compatibility

Compatible to most inverter brands on the market



Compact Design

Small footprint/
690*195mm



Fast Installation

Plug & Play battery interface/
Plug in modular design



Flexible Investment

5.12kWh modular design/
Scalable up to 25kWh



Safety

BMS & Breaker modular
level protection



Long Life

6000 cycles
long working lifespan



MODEL	TG-SS-5HVS2	TG-SS-5HVS3	TG-SS-5HVS4	TG-SS-5HVS5
Electrical Characteristics				
Rate voltage(Vdc)	204.8	307.2	409.6	512
Cell combination(SIP)	32S1P*2S	32S1P*3S	32S1P*4S	32S1P*5S
Rate capacity(AH)	50			
Energy storage(KWH)	10.24	15.36	20.48	25.6
Cycle life	6000 cycles @80% DOD, 0.5C			
Charge/Discharge Standard				
Charge voltage(V)	224	336	448	560
Max. charge current(A)	50			
Max. discharge current(A)	50			
Discharge cut-off voltage(VDC)	172.8	259.2	345.6	432
Charge cut-off voltage(VDC)	230.4	345.6	460.8	584
Enviornment				
Charge temperature	0°C to 50°C@60±25% Relative Humidity			
Discharge temperature	-20°C to 50°C@60±25% Relative Humidity			
Storage temperature	-20°C to 50°C@60±25% Relative Humidity			
Mechanical				
IP class	IP65			
Material system	LiFePO4			
Case material	Metal			
Case type	Stand Stack			
Pack dimension L*W*H(mm)	630*185*955	630*185*1300	630*185*1650	630*185*2000
Package dimension L*W*H(mm)	740*295*400*3	740*295*400*4	740*295*400*5	740*295*400*6
Net weight(kg)	14+49*2	14+49*3	14+49*4	14+49*5
Gross weight(kg)	21+53*2	21+53*3	21+53*4	21+53*5
Communication				
Protocol(Optional)	CANBus/RS485/RS232			
Monitoring	Bluetooth/WLAN Optional			
Certificates				
Pack	UN38.3, MSDS			
Cell	UN38.3, MSDS, IEC62619, CE, UL1973, UL2054			