

EK90 HS5 Battery

- ❑ Total Peace Of Mind – Multi-layer Battery Protection
- ❑ Plug-And-Play Design – Easy And Fast Installation
- ❑ DC-DC Optimizer Battery – Scalable For Future Expansion
- ❑ LFP Battery – Enhanced Safety And Greater Stability
- ❑ 12,000 Cycles – Long Service Life And Durable Performance



EK90 BU5-7.0-TV | EK90 BU5-9.0-TV

BU5 BAT	EK90 BU5-7.0-TV		EK90 BU5-9.0-TV
Performance specification			
Battery type	LiFePO4		
Cell capacity [Ah]	314		
Cycle life*	12000		
Total energy capacity [kWh]	7	9	
Usable energy capacity [kWh]	7	9	
Depth of discharge**	100%		
Max. charge / discharge power [W]	3500	4600	
Max. charge / discharge current [A]	9.0	11.8	
Battery Voltage Range/Rated Voltage	Compatible single phase system: 300-600V/390V, Compatible three phase system: 600-900V/780V		
General Data			
Weight [kg]	71.7	79.2	
Dimensions [W / H / D] [mm]	835 / 270 / 270		
Charging Temperature	-30°C to +50°C		
Discharging Temperature	-30°C to +50°C		
Relative humidity range	5% ~ 95%		
Max. operating altitude [m]	3000		
Cooling	Natural convection		
System ingress protection rating	IP66 (battery module combined with the HS5 series inverter)		
Installation method	Floor standing / Wall-mounted		
Number of modules per controller	1 ~ 6		
Compatible inverters [pcs]	HS5 series		
DC Overvoltage Category	II		
DVC Class	DVC-C for Battery terminals		
Protective Class	I		
Pollution degree	II		
Standard compliance			
Standard	IEC/EN 60730-1, UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62040		
BE5-TV			
Weight [kg]	8		
Dimensions [W / H / D] [mm]	835 / 70 ~ 80 / 270		
Compatible battery system	BU5 BAT series		
Warranty [Year]	Refer to the warranty policy		

* Provided by the battery manufacturer. Test conditions: 25±2°C, 0.5C charge and discharge rate, SOH 60%.

** Provided by the battery manufacturer. Test conditions: 100% depth of discharge, 0.2C charge and discharge rate at 25°C, at the beginning of life.

Manufacturer: Guangzhou Sanjing Electric Co., Ltd.
Country of manufacture: China