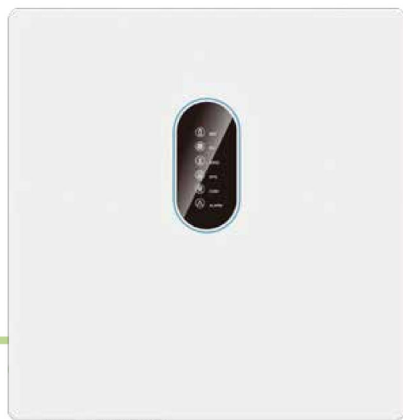


THREE PHASE HYBRID INVERTER

SE 5/6/8/10KHB-D3



EXCELLENT PERFORMANCE

- Maximum efficiency 98.4%, battery efficiency 98%
- Maximum 15kW PV input power, continuously 10% output overload, 150% unbalance output
- Maximum Charge/Discharge current 50A
- Large MPPT current, compatible with high-power solar panels
- Advanced parallel function



HIGH RELIABILITY

- Key components from international famous brands
- IP65 protection rating, good adaptability to complex outdoor environment
- Multiple protections built-in, optional AFCI, RSD



INTELLIGENT MAINTENANCE

- Quick commission through APP, 7*24h remote monitoring, configuring, upgrading
- Advance energy management mechanism, multiple working modes built-in, and support flexible customized setting

Model	SE 5KHB-D3	SE 6KHB-D3	SE 8KHB-D3	SE 10KHB-D3
Efficiency				
Max. Efficiency (PV to AC)	98.2%		98.4%	
Euro. Efficiency (PV to AC)	97.2%		97.9%	
Max. Efficiency (BAT to AC)	98.0%			
Input (PV)				
Max. PV Input Power	9,000W			15,000W
Max. PV Voltage		1000V		
Start-up Voltage		150V		
MPPT Voltage Range		160V-950V		
Max. Input Current	15A/15A			20A/30A
Max. Short Circuit Current	20A/20A			30A/40A
Nos. of MPPT		3		
String per MPPT	1/1			1/2
Input/Output (BAT)				
Battery Type	Lithium-ion, Lead-acid			
Nominal Battery Voltage	250V-600V			
Battery Voltage Range	150V-600V			
Max. Charge/Discharge Current	25A/25A	25A/25A	50A/50A	50A/50A
Max. Charge/Discharge Power	9,000W/5,800W	9,000W/7,000W	15,000W/9,100W	15,000W/11,300W
Output (Grid)				
Nominal AC Output Power	5,000W	6,000W	8,000W	10,000W
Max. AC Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA
Max. AC Output Power (PF=1)	5,500W	6,600W	8,800W	11,000W
Max. AC Output Current	3*8.3A	3*10A	3*13.3A	3*16.7A
Max. Single Phase Power	2,500W	3,000W	4,000W	5,000W
Max. Input Power			15,000VA	
Max. Input Current			3*25A	
Rated Grid Voltage			380V/400V/415V, 3W+N+PE	
Grid Voltage Range			260V-520V (Adjustable)	
Rated Grid Frequency			50Hz/60Hz	
Grid Frequency Range			45Hz-55Hz/55Hz-65Hz (Adjustable)	
Power factor			> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)	
THDI			<5% (Rated Power)	
Output (Back up)				
Nominal Output Power	5,000W	6,000W	8,000W	10,000W
Nominal Output Current	3*7.6A	3*9.1A	3*12.2A	3*15.2A
Max. Single Phase Power	2,500W	3,000W	4,000W	5,000W
Peak Power (5min)	6,000VA	7,200VA	9,600VA	12,000VA
Peak Power (10s)	7,500VA	9,000VA	12,000VA	15,000VA
Nominal Output Voltage			380V/400V/415V, 3W+N+PE	
Nominal Output Frequency			50Hz/60Hz	
Transfer Time			10ms	
THDV			<3% (R Load)	
Protection				
Protection Category	Class I			
DC Switch	Yes			
Anti-islanding Protection	Yes			
AC Over Current Protection	Yes			
AC Over Voltage Protection	Yes			
AC Short Circuit Protection	Yes			
DC Reverse Protection	Yes			
Surge Arrester	DC Type II, AC Type II			
PV Insulation Detection	Yes			
Leakage Current Protection	Yes			
AFCI	Optional			
RSD	Optional			
General				
Max. Operation Altitude	4000m (>2000m derating)			
Protection Degree	IP65			
Operating Temperature Range	-25°C~60°C (>45°C derating)			
Relative Humidity	0~100%			
Cooling	Natural Cooling			
Mounting	Wall bracket			
Dimensions (W*H*D)	530mm*550mm*212mm			
Weight	30Kg			32Kg
PV Connection	MC4/H4			
HMI & COM				
Display	LED+APP, LCD(Optional)			
Communication Interface	RS485/CAN (for BMS), RS485, RS485 (for Meter), DRMs, 2*DI (1 for RMO), 2*DO, Optional: Wi-Fi/GPRS/LAN			
Certification				
Grid	VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1, C10/11, G99, CEI 0-21, NRS 097-2-1, RD 1699/661/413			
Safety	IEC 62109-1&2			
EMC	EN 61000			
Warranty	5 Years/10 Years (Optional)			

Remarks:

- The range of output voltage and frequency may vary depending on different grid codes.
- Specifications are subject to change without advanced noticed.