

MODEL	BluE-S-3680D		BluE-S-5000D	
Inverter General				
Max. PV Input power	4800W		6500W	
Max. PV Input voltage			580V	
MPPT Range			120V ~550V	
Rated Input voltage			400V	
MPPT Range for full load	184~550V		230~550V	
Number of MPPT			2	
Max. PV input current			13A*2	
Isc PV			16A*2	
AC Output (On-Grid)				
Rated AC output power			230Vac	
Output voltage range			150V ~280V	
Output frequency range			50 / 60Hz(±5Hz), (adjustable)	
Rated Input Current			31A	
Max. Current from Utility Grid			32A	
Max. Apparent Power from Utility Grid			7360VA	
Max. Power Output to Utility Grid	3680W		4999W	
Max. Current Output to Utility Grid	16A		21.7A	
AC Output Connection			L+N+PE, Transformerless	
Power factor (cosΦ)			(0.8 leading ~0.8 lagging), (adjustable)	
THDi			<3%	
Power grid disconnection			Bipolar miniature circuit breaker (40A/pole)	
AC Output(Back-up)				
Rated Output Voltage			230 (Fluctuation range±2%)	
Rated Output Frequency			50/60Hz (Fluctuation range±0.2%)	
Rated output Current	13A		20A	
Rated Output Power	3000W		4600W	
Max. Output Apparent Power	3300VA		6000VA	
THDv			<2% (Linear load)	
Automatic Switch Time			<20ms	
OverLoad			6900VA 10sec	
Off-line AC disconnection			Bipolar miniature circuit breaker (25A/pole)	
Battery Input				
Rated Battery Voltage			51.2V	
Battery Voltage Range			40~60V	
Max. Discharging Current	80A		100A	
Max. Charging Current	50A		100A	
Battery Switch			Bipolar DC Switch (125A/Pole)	
Inverter General				
Dimension (WxHxD)mm			540*640*240	
Weight (Kg)			30	
Ambient Temperature Range [℃]			-20℃~-60℃ (Rated Power@45℃)	
Relative Humidity			0~95% (No condensation)	
Protection Degree			IP65	
Topology			High Frequency Isolation	
Cooling			Natural Convection	
Noise Emission [dB]			<25	
Display			LCD/APP	
Communication Interface			RS485/CAN2.0/WIFI	
Altitude			≤2000m	
Overvoltage Category			II(DC side), III(AC side)	
Max. Conversion Efficiency (From Battery)			94.0%	
Max. Conversion Efficiency (From PV)			97.6%	
Euro Efficiency			97.0%	
MPPT Efficiency			99.5%	
Protection Function	Short Circuit Protection, AC Leakage Fault Protection, Grounding Fault Protection, Anti-islanding Protection, Overload Protection、 Surge Protection 、 DC Polarity Protection			
Certification & Standard				
Grid Regulation	AS/NZS 4777.2, VDE-AR-N4105, VDE0126-1-1			
Safety Regulation	IEC/EN 62109-1&2, IEC62040-1			
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4,EN61000-4-16, EN61000-4-18, EN61000-4-29			

Specifications subject to change without prior notice.

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