Battery	BW-BAT-10.1P			
Electrical				
Battery Capacity	10.1kWh			
Usable Capacity	9.7kWh			
Depth of Discharge (DoD)	96%			
Nominal Voltage	96V			
Operating Voltage Range	91.5~106.5V			
Internal Resistance	<30 mΩ			
Cycle Lifetime	8000			
Operation				
Max. Charging Current	52.5A			
Max. Discharging Current	52.5A			
Operating Temperature Range	-10~50℃			
Relative Humidity	0~95% (No Condensing)			
Physical				
Battery Type	LFP			
Weight	95kg			
Dimensions (W*H*D)	610x690x200 mm			
Protection Degree	IP65			
Warranty	5 years product warranty, 10 years performance warranty			
BMS				
Modules	1~6 in parallel			
Capacity	10.1 / 20.2 / 30.2 / 40.3 / 50.4 / 60.5 kWh			
Usable Capacity	9.7 / 19.4 / 29.0 / 38.7 / 48.4 / 58.1 kWh			
Communication	CAN / RS-485 (Optional) 90%			
Certificate				
Transportation	UN38.3			
Safety Regulation	IEC 62619 (Call and Pack)			
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4			
Note: Specifications are subject to cha	nge without advance notice.			

Inverter Model	BW-INV-SPH3.6K	BW-INV-SPB5K	BW-INV-SPH5K	
Battery Input	Li-lon / Lead-acid			
Nominal Battery Voltage		96V		
Battery Voltage Range		75~400V		
Max. Charging Current	45A	65A	65A	
Max. Discharging Current	45A	65A	65A	
PV Input				
Max. PV Input Power	7.36kW	-	10kW	
Max. PV Input Voltage	580V	-	580V	
MPPT Range	100~550V	-	100~550V	
Full Load MPPT Range	125~550V	-	180~550V	
Startup Voltage	100V	-	100V	
Max. Input Current	15A/15A	-	15A/15A	
Max. Short Circuit Current	18.75A/18.75A	<u>-</u>	18.75A/18.75A	
Grid Port				
Rated Output Power	3.68kVA	5kVA/4.6kVA(DE)	5kVA/4.6kVA(DE)	
Max. Input Power	7.36kVA	10kVA	10kVA	
Rated Grid Voltage		230Vac		
Grid Voltage Range		180~270Vac		
Rated Grid Frequency		50/60Hz		
Power Factor	-0.8~+0.8			
HDi		<3%		
Backup Port				
Иах. Backup Power	7.36kV	A/7.36kW 10kVA/10kW 10kVA/10k\	N	
Rated Backup Voltage		230Vac		
Rated Backup Frequency		50/60Hz		
HDv	<3% (L	inear Load) / <5% (Non-linear Load	d)	
DCV	<100mV			
Crest Ratio		3:1		
Transfer Time		<10ms		
Efficiency				
Max. Efficiency	97.3%	<u>-</u>	97.3%	
Europe Efficiency	96.2%	-	96.2%	
MPPT Efficiency	99.9%	<u>-</u>	99.9%	
Round Trip Efficiency	90%	90%	90%	
System				
Operating Temperature Ran	ge	-20~60℃		
Relative Humidity	0~95% (No Condensing)			
Operating Altitude	≤4000m			
Cooling	Nature Convection			
Noise		<30dB		
Topology	Transformerless Claudina Communication (Claudina Communication Communica			
Dimensions (W*H*D)		610x370x200 mm		
Protection Degree	7.01	IP65	10.51	
Weight Warranty	18kg	18kg	19.5kg	
Warranty		5 years / 10 years (optional)		
HMI & Comm.				
Communication with BMS	CAN / RS-485			
oad Monitoring	Meter / CT / Backup box			
External Communication	RS-485 / WIFI / 4G / Ethernet			
Jser Interface		LED / LCD		
Certificate				
Grid Regulation	CEI 0-21, VDE 4105-A	AR-N, VDE 0126-1-1, EN 50438, G99	9, G100, AS4777.2	
		0549, C10/C11, UNE, UTE, NCRfG/P1		
Safety Regulation		IEC 62109-1&2; IEC 62477		
EMC EN 61000-6-1,	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4			