


TECHNICAL PARAMETER

Model	BW3000-S	BW5000-S
Rated power	3000W	5000W
DC Input		
Max.PV array power	4500Wp STC	7500Wp STC
Max input voltage MPPT Voltage range	580V	
Rated input Voltage Min.Input	80V	
Voltage initial.feed in voltage Max.	100V	
Max operating input current	12A/12A	
Max.short circuit current No.of independent MPPT	18A/18A	
Inputs/strings per MPPT input	2/1	
AC input		
Rated power	3000W	5000W
Max.apparent AC Power	3000VA	5000VA
AC Norminal Voltage	220V/230V/240V	
AC voltage range	180-290V	
AC Grid frequency/range	45Hz to 55Hz 55Hz to 65Hz	
Max.output current	15A	22.7A
Adjustable power factor range	0.8 leading to 0.8 lagging	
Feed-in phases	1	
Harmonic distortion (THD) at rated output	<3%	
Efficiency &Protection		
Max efficiency/European efficiency	97.85%/97.3%	97.85%/97.5%
DC Switch	YES	
Ground fault monitoring/grid monitoring	YES/YES	
DC Reverse polarity protection/AC short circuit protection	2*5pin/Pitch 2.54mm,lithium battery BMS communication card,WIFI	
All-pole-sensitive residual-current monitoring unit	YES	
Protection class(according to IEC62109-1)/overvoltage category(According to IEC 62109-1)	1/AC:III;DC:II	
General Data		
Self-consumption(at night)	<1W	
Cooling concept	Natural convection	
Topology	Transormerless	
Climatic Category (according to IEC60721-3-4)	4K4H	
Operation temperature	-25°C to 60°C	
Humidity	100%(non-condensing)	
Dimension	376*355*145mm	
Altitude	<3000meter	
Features		
DC connection	Phoenix contact	
AC connection	Plug-in connector	
Mounting type	Wall-mounted bracket	
LED Indicators(Status/Fault/Communication)	YES	
Communication interface	WIFI/4G/RS485(optional)	

Main features

- 1.IP65 Rated design for outdoor use
- 2.Integrated DC Switch
- 3.User friendly App interface
- 4.Online monitoring via WI-FI and apps
- 5.Dual MPPTs for flexible array design
- 6.Compact wall mount design
- 7.Quick setup and commissioning with Apps
- 8.Toolless DC connection via Phoenix contact connectors

