

Three phase inverters 8 to 20 kW



Models:
 BW8K-LT-G2
 BW10K-LT-G2
 BW12K-LT-G2
 BW13K-LT-G2
 BW15K-LT-G2
 BW17K-LT-G2
 BW20K-LT-G2



Easy-to-install

- Toolless DC connection via Phoenix Contact connectors
- Quick setup and commissioning with apps
- Compact wall mount design



Reliable

- International quality standards
- 150% PV array oversizing for higher yields
- IP66 rated design for outdoor use



User-friendly

- User friendly app interface
- 13 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V

Model	BW 8K-LT-G2	BW 10K-LT-G2	BW 12K-LT-G2	BW 13K-LT-G2	BW 15K-LT-G2	BW 17K-LT-G2	BW 20K-LT-G2
DC Input							
Max. PV array power	12000 Wp STC	15000 Wp STC	18000 Wp STC	19500 Wp STC	22500 Wp STC	25500 Wp STC	30000 Wp STC
Max. input voltage	1100 V						
MPP voltage range / rated input voltage	150 V to 1000 V / 630 V						
Min. input voltage Initial. feed in	125 V						
voltage Max. operating input current	180 V						
Max. short circuit current	26 A / 13 A	26 A / 13 A	26 A / 26 A	26 A / 26 A	26 A / 26 A	26 A / 26 A	26 A / 26 A
No. of independent MPPT inputs / strings per MPPT input	40 A / 20 A	40 A / 20 A	40 A / 40 A	40 A / 40 A	40 A / 40 A	40 A / 40 A	40 A / 40 A
	2 / A:1;B:1	2 / A:1;B:1	2 / A:2;B:1	2 / A:2;B:1	2 / A:2;B:1	2 / A:2;B:2	2 / A:2;B:2
AC Output							
Rated power	8000 W	10000 W	12000 W	13000 W	15000 W	17000 W	20000 W
Max. apparent AC power	8000 VA	10000 VA	12000 VA	13000 VA	15000 VA	17000 VA	20000 VA
AC nominal voltage AC	220 V / 380 V, 230 V / 400 V, 240 V / 415 V						
voltage range AC grid	160 V to 300 V						
frequency / range	50 Hz / 45 Hz to 55 Hz, 60 Hz / 55 Hz to 65 Hz						
Max. output current	12.8 A	16 A	19.1 A	20.7 A	24 A	27.1 A	31.9 A
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	98.6 % / 98.2 %						
DC switch Ground fault monitoring / grid monitoring	● / ●						
DC reverse polarity protection / AC short circuit protection	● / ●						
All-pole-sensitive residual-current monitoring unit	●						
Protection class (according to IEC 62109-1) / overvoltage category (according to IEC 62109-1)	I/AC: III; DC: II						
General data							
Dimensions (W / H / D)	503 / 435 / 183 mm						
Weight Operating	17.3 kg	17.3 kg	17.3 kg	17.3 kg	17.3 kg	18.6 kg	18.6 kg
temperature range Self-consumption (at night)	-25°C ... +60°C						
Topology	Transformerless						
Cooling concept Degree of protection (according to IEC 60529)	Natural convection			Active cooling			
	IP66						
Climatic category (according to IEC 60721-3-4)	4K4H						
Max. permissible value for relative humidity (non-condensing)	100 %						
Max. operating altitude	3000 m						
Features							
DC connection	Phoenix contact						
AC connection	Plug-in connector						
Mounting type	Wall-mount bracket						
LED indicators (Status / Fault / Communication)	●						
Communication interface	Wi-Fi / 4G / RS485 (Optional)						
Certificates and approvals (more available on request)	CE, EN50549, IEC62109, IEC62116, IEC61727, IEC61683, IEC60068, IEC61000, AS/NZS4777, C10/C11						