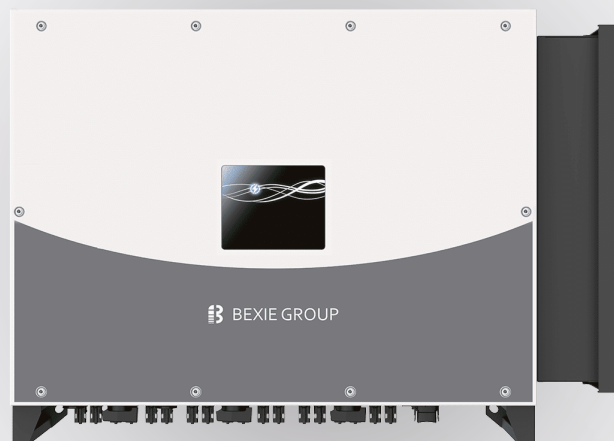




BE100-110KW-3PG

100KW/110KW

Application: Commercial & Industrial Sites

- ✓ Remote monitoring, configuration and upgrade.
- ✓ Compatible with large PV modules.
- ✓ Replaceable DC&AC Type II SPC protection.
- ✓ Quick commissioning via mobile APP.
- ✓ IP66 protection for outdoor application.
- ✓ 9 MPPTs with 150% DC overload.
- ✓ Maximum efficiency up to 98.8%.
- ✓ Optional: AFCI, Night SVG, I/V detection and integrated PID.





BE100-110KW-3PG

100KW/110KW

Model	BE100KW-3PG	BE110KW-3PG
Efficiency		
Max. Efficiency	98.5%	98.8%
European Efficiency	98.0%	98.4%
Input (PV)		
Max. Input Voltage	1100V	
Max. PV Configuration (STC)	150%	
Rated Input Voltage	620V	
Max. Input Current	3*40A+5*32A	3*40A+6*32A
Max.Short Circuit Current	3*50A+5*45A	3*50A+6*45A
Start Input Voltage	250V/200V	
MPPT Operating Voltage Range	200V-1000V	
Max. Number of PV Strings	16 (8*2)	18 (9*2)
No. of MPPTs	8	9
Output (Grid)		
Rated AC Active Power	100,000W	110,000W
Max. AC Apparent Power	111,000VA	123,000VA
Max. AC Output Current	3*168.8A	3*187A
Rated AC Voltage	400V, 3W+N+PE or 3W+PE	
AC Voltage Range 1*	320V-520V (Adjustable)	
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range 2*	45Hz-55Hz/55Hz-65Hz (Adjustable)	
THDI	<3% (Rated Power)	
DC Current Injection	<0.5%In	
Power Factor	>0.99 Rated power (Adjustable 0.8 LD-0.8 LG)	

Remarks: 1* The range of output voltage and frequency may vary depending on different grid codes.
2* Specifications are subject to change without advance notice.



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Calle Peña Santa 68, Polígono Industrial
Silvota, 33192, Llanera, Asturias



BE100-110KW-3PG

100KW/110KW

Model

BE100KW-3PG

BE110KW-3PG

Protection

DC Switch	Yes
Anti-Islanding Protection	Yes
AC Overcurrent Protection	Yes
AC Short Circuit Protection	Yes
DC Reverse Protection	Yes
Surge Arrester	DC Type II/AC Type II
Insulation Detection	Yes
Leakage Current Protection	Yes
AFCI	Optional
PID Recovery	Optional
PV String Monitoring	Yes
Consumption Monitoring	Optional

General

Topology	Transformerless
IP Rating	IP66
Night Self Consumption	<10W (Standard)
Cooling	Fan cooling
Operating Temperature Range	-25°C-60°C
Relative Humidity Range	0-100%
Max. Operating Altitude	4000m
Dimensions (W*H*D)	936mm*678mm*365mm
Weight	91.5kg 92kg

HMI & COM

Display	Wireless & APP+LED, LCD (Optional)
Communication	RS 485, Optional: WiFi/GPRS/LAN

Certification

Safety	IEC 62109-1, IEC 62109-2
Grid Code	EN 50549-1/-2, IEC 61727/62116, VDE-AR-N 4105, UNE 206006/206007-1, UNE 217001
Warranty	10 years (Optional)



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