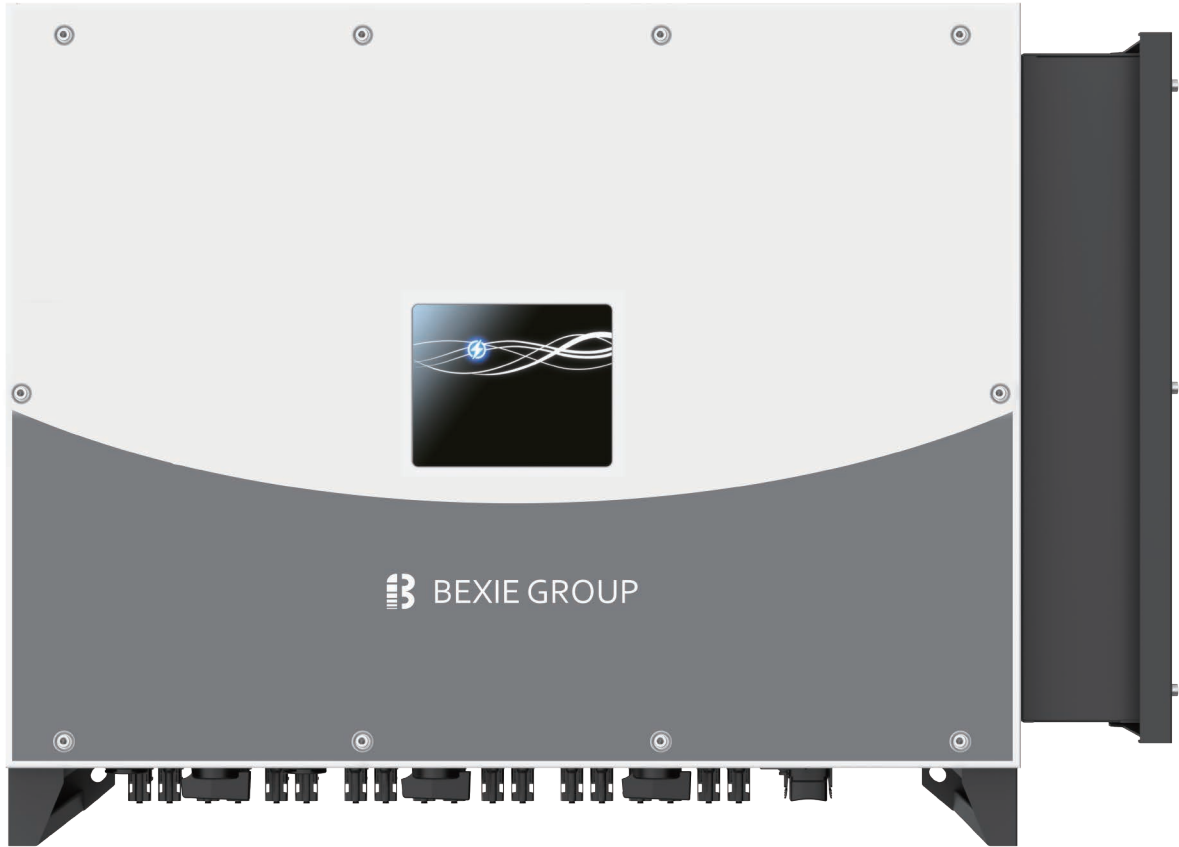


Application: Commercial & Industrial Sites



# BE100-110KW-3PG

100kW/110kW



Remote monitoring, configuration and upgrade



Compatible with large PV modules



Replaceable DC&AC Type II SPC protection



Quick commissioning via mobile APP



IP65 protection for outdoor application



4 MPPTs with 150% DC overload



Maximum efficiency up to 98.5%



Optional: AFCI, Night SVG, I/V detection and integrated PID



# BE100-110KW-3PG

100kW/110kW

Model	BE100KW-3PG	BE110KW-3PG
<b>Efficiency</b>		
Max. Efficiency	98.5%	98.8%
European Efficiency	98.0%	98.4%
<b>Input (PV)</b>		
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
<b>Output (Grid)</b>		
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	320V-520V (Adjustable)	
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range	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)	
<b>Protection</b>		
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	
<b>General</b>		
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
<b>HMI &amp; COM</b>		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS 485, Optional: WiFi/GPRS/LAN	
<b>Certification</b>		
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	5 Years/10 Years (Optional)	

Remarks : • ①② The range of output voltage and frequency may vary depending on different grid codes.  
• Specifications are subject to change without advanced notice.