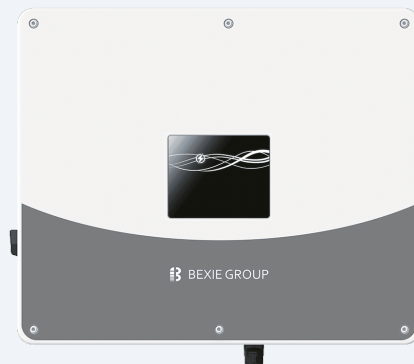


TECHNICAL DATASHEET

Three-phase Grid-tied Inverter

BE30-50KW-3PG // COMMERCIAL USE // INDUSTRIAL USE

Three-phase commercial solar inverter ranging from 30 to 50 kW, designed to handle high electrical demands in commercial and industrial applications. It converts DC power from solar panels into AC electricity ready for direct consumption or grid injection. Certified for grid connection in Europe and the United Kingdom.



- ✓ Remote monitoring, configuration and upgrade.
- ✓ Compatible with large PV modules.
- ✓ Quick commissioning via mobile APP.
- ✓ IP66 protection for outdoor application.
- ✓ Up to 4 MPPTs with 150% DC overload.
- ✓ Maximum efficiency up to 98.5%.

FEATURES



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Industrial Silvota, 33192, Llanera, Asturias

MODEL	BE30KW-3PG	BE50KW-3PG
EFFICIENCY		
Max. Efficiency		98.5%
European Efficiency	98%	97.9%
INPUT (PV)		
Max. Input Voltage		1,100V
Max. PV Configuration (STC)		150%
Rated Input Voltage		620V
Max. Input Current	32A/32A/40A	32A/32A/32A/40A
Max.Short Circuit Current	45A/45A/50A	45A/45A/45A/50A
Start Input Voltage		200V
MPPT Operating Voltage Range		180V - 1,000V
Max. Number of PV Strings	2/2/2	2/2/2/2
No. of MPPTs	3	4
OUTPUT (GRID)		
Rated AC Active Power	30,000W	50,000W
Max. AC Apparent Power	33,400VA	55,600VA
Max. AC Output Current	3 x 51A	3 x 84.3A
Rated AC Voltage	380V/400V/415V, 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)	
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
PV String Monitoring		Optional
Consumption Monitoring		Optional
GENERAL		
Topology	Transformerless	
IP Rating	IP66	
Night Self Consumption	<1W (Standard)	
Cooling	Natural cooling	Fan cooling

MODEL	BE30KW-3PG	BE50KW-3PG
Operating Temperature Range	-25°C - 60°C	
Relative Humidity Range	0 - 100%	
Max. Operating Altitude	4,000m	
Dimensions (WxHxD)	635mm x 530mm x 224mm	
Weight	36kg	42kg
HMI & COM		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, Optional:WiFi/GPRS/LAN	
CERTIFICATION		
Safety	IEC 62109-1, IEC 62109-2	
Grid Code	VDE-AR-N 4105, EN 50549-1, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116	

NOTES

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