



BEXIE GROUP

THREE-PHASE GRID-TIED INVERTER

30KW/40KW/50KW

Application: Commercial & Industrial Sites



Maximum efficiency up to 98.5%



Replaceable DC&AC Type II SPD protection



4 MPPTs with 150% DC overload



Remote monitoring, configuration and upgrade



Compatible with large PV modules



Quick commissioning via mobile app



IP66 protection for outdoor application



Optional: AFCI, Night SVG, IVV detection, and integrated PID

Model	BE30KW-3PG	BE40KW-3PG	BE50KW-3PG
Efficiency			
Max. Efficiency		98.5%	
European Efficiency	98.0%	98.0%	97.9%
Input (PV)			
Max. Input Voltage		1100V	
Max. PV Configuration (STC)		150%	
Rated Input Voltage		620V	
Max. Input Current	40A+2*32A	40A+2*32A	40A+3*32A
Max.Short Circuit Current	50A+2*45A	50A+2*45A	50A+3*45A
Start Input Voltage		200V	
MPPT Operating Voltage Range		180V-1000V	
Max. Number of PV Strings	2/2/2	2/2/2	2/2/2/2
No. of MPPTs	3	3	4

THREE-PHASE GRID-TIED INVERTER

Model	BE30KW-3PG	BE40KW-3PG	BE50KW-3PG
Output (Grid)			
Rated AC Active Power	30,000W	40,000W	50,000W
Max. AC Apparent Power	33,400VA	44,500VA	55,600VA
Max. AC Output Current	3*51A	67.5A	3*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	45-55Hz/55-65Hz (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	
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Dimensions (W*H*D)	635mm*530mm*224mm		
Weight	36Kg	40Kg	42Kg
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, Optional: WiFi/GPRS/LAN		
Certification			
Safety and EMC	IEC 62109-1, IEC 62109-2, IEC 61000		
Grid Code	VDE-AR-N 4105, EN 50549-1, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116		
Warranty	10 Years		

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