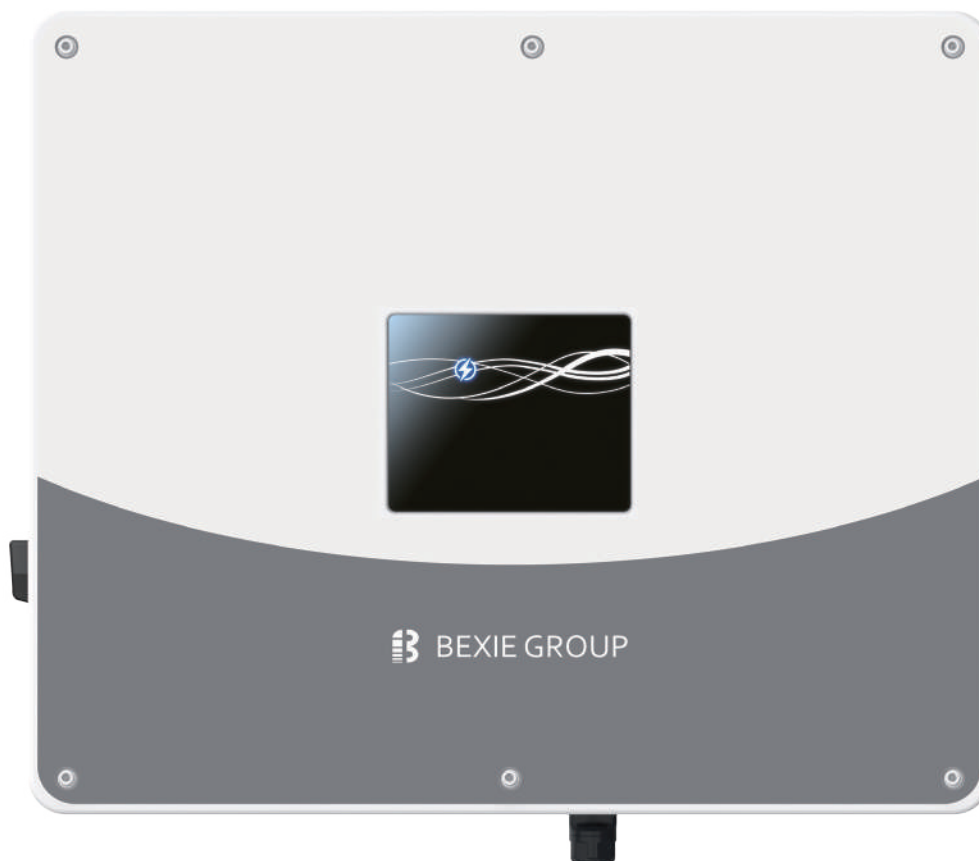


Application: Commercial & Industrial Sites



BE30-50KW-3PG

30kW-50kW



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



4 MPPTs with 150% DC overload



Maximum efficiency up to 98.5%



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



BE30-50KW-3PG

30kW-50kW

Model	BE30KW-3PG		BE50KW-3PG	
Efficiency				
Max. Efficiency	98.5%			
European Efficiency	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+3*32A
Max.Short Circuit Current	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
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*51A		3*84.3A	
Rated AC Voltage	380V/400V/415V, 3W+N+PE or 3W+PE			
AC Voltage Range①	320V-520V (Adjustable)			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range②	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		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			
Warranty	10 Years (Optional)			

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