



BE30-50KW-3PG

30KW-50KW

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.
- ✓ 4 MPPTs with 150% DC overload.
- ✓ Maximum efficiency up to 98.5%.
- ✓ Optional: AFCI, Night SVG, I/V detection and integrated PID.





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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	250V	
MPPT Operating Voltage Range	180V-1000V	
Max. Number of PV Strings	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 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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Model

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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)	



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