

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in real-time via smartphone APP or Web portal using our advanced monitoring platform.



3PH-Hybrid Inverter

5KW/6KW/8KW/10KW

- ✓ Fast charging or discharging up to 50A.
- ✓ Seamless transition to backup mode, <10 ms UPS-level switching.
- ✓ Parallel connection up to 9 units .
- ✓ IP66 outdoor and indoor application.
- ✓ Feed-in limitation function (zero export).
- ✓ PV system oversizing up to 15kW.
- ✓ Support for both local and remote communication.
- ✓ Fanless cooling design, long lifespan and quiet performance.



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www.bexieenergy.com



Calle Peña Santa 68, Polígono Industrial
Silvota, 33192, Llanera, Asturias



3PH-Hybrid Inverter

5KW/6KW/8KW/10KW

Model

BE5KW-3PH

BE6KW-3PH

BE8KW-3PH

BE10KW-3PH

Efficiency

Max. Efficiency (PV to AC)	98,20%		98,40%	
Max. Efficiency (BAT to AC)		97,9%		
Euro. Efficiency (PV to AC)	97,2%		97,9%	

Input (PV)

Max. PV Input Power	9.000W		15.000W	
Max. PV Voltage		1.000V		
Start-up Voltage		150V		
MPPT Voltage Range		160V-950V		
Max. Input Current	15A/15A		20A/30A	
Max. Short Circuit Current	20A/20A		30A/40A	
Nos. of MPPT		2		
String per MPPT	1/1		1/2	

Input/Output (BAT)

Battery Type	Lithium-ion/Lead-acid			
Nominal Battery Voltage	250V-600V			
Battery Voltage Range	150V-600V			
Max. Charge/Discharge Current	25A/25A	25A/25A	50A/50A	50A/50A
Max. Charge/Discharge Power	9,000W/5,800W	9,000W/7,000W	15,000W/9,100W	15,000W/11,300W

Output (Grid)

Nominal AC Output Power	5,000W	6,000W	8,000W	10,000W
Max. AC Apparent Power	5,500VA	6,600VA	8,800VA	11,000VA
Max. AC Output Power (PF=1)	5,500W	6,000W	8,800W	11,000W
Max. AC Output Current	3*8.3A	3*10A	3*13.3A	3*16.7A
Max. Single Phase power	2,500W	3,000W	4,000W	5,000W
Max. Input Power	15,000VA			
Max. Input Current	3*25A			
Rated Grid Voltage	380V/400V/415V, 3W+N+PE			
Grid Voltage Range	260V-520V (Adjustable)			

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



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Output (Grid)

Rated Grid Frequency	50Hz/60Hz
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)
Power Factor	> 0,99 @rated power (Adjustable 0,8 LD - 0,8 LG)
THDI	<5% (Rated Power)

Output (Back up)

Nominal Output Power	5,000W	6,000W	8,000W	10,000W
Nominal Output Current	3*7.6A	3*9.1A	3*12.2A	3*15.2A
Max. Single Phase Power	2,500W	3,000W	4,000W	5,000W
Peak Power (5min)	6,000VA	7,200VA	9,600VA	12,000VA
Peak Power (10s)	7,500VA	9,000VA	12,000VA	15,000VA
Nominal Output Voltage	380V/400V/415V, 3W+N+PE			
Nominal Output Frequency	50Hz/60Hz			
Transfer Time	<10ms			
THDV	<3% (R Load)			

Protection

Protection Category	Class I
DC Switch	Yes
Anti-islanding Protection	Yes
AC Over Current Protection	Yes
AC Over Voltage Protection	Yes
AC Short Circuit Protection	Yes
DC Reverse Protection	Yes
SPD	DC Type II, AC Type II
PV Insulation Detection	Yes
AFCI	Optional
Leakage Current Protection	Yes

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General

Max.Operation Altitude	4000m (>2000m derating)		
Protection Degree	IP65		
Operating Temperature Range	-25~60°C (>45°C derating)		
Relative Humidity	0~100%		
Cooling	Natural Cooling		
Mounting	Wall bracket		
Dimensions (W*H*D)	530mm x 550mm x 212mm		
Weight	30kg		32kg
PV Connection	MC4/H4		

HMI & COM

Display	LED+APP, LCD (Optional)		
Communication Interface	RS485/CAN (BMS), RS485, RS485 (for meter), DRM, 2*DI (1 RMO), 2*DO, optional: WiFi/GPRS/LAN		

Certification

Grid	EN 50549-1, RFG, NC RFG, VDE 4105, VDE V0124-100		
Safety & EMC	IEC 62109-1/2, EN 62109-1/2, IEC 61000		
Warranty	10 years		

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