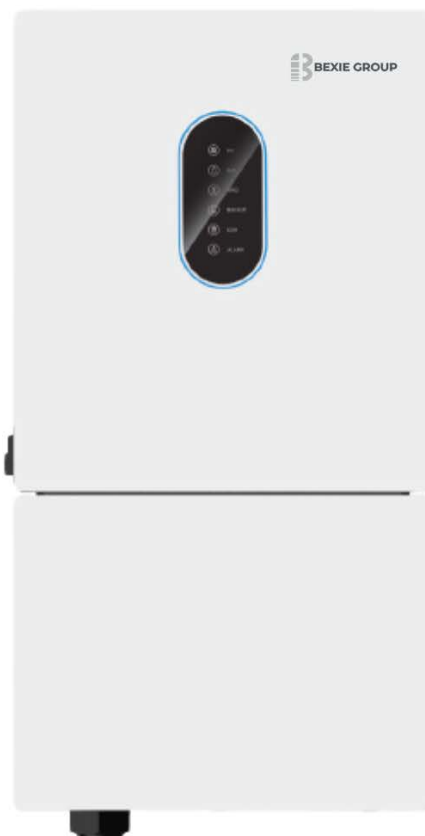




BE8/10KW-1PH

HYBRID INVERTER



Maximize PV input power: up to 200% oversizing allowed with 3 MPPTs. Support high power module with 30A PV input current. Support AC coupled solar input.



Versatile applications: stackable up to 9 units. Standby generator connection for whole-home back up. Four application modes. Remote configuration and upgrade



Flexible battery configuration: support 40-64V Lithium or Lead-acid battery. Maximum battery charge/discharge current of 210A.



Stable output power: continuous 110% of nominal AC power. Seamless backup transition (<10ms).

BE8/10KW-1PH

HYBRID INVERTER

Model	BE8KW-1PH		BE10KW-1PH	
Efficiency				
Max. Efficiency (PV to AC)			98.0%	
Max. Efficiency (BAT to AC)			94.5%	
Input (PV)				
Max. PV Input Power	12,000W		15,000W	
Max. PV Voltage			600V	
Start-up Voltage			90V	
MPPT Operating Voltage Range			70V-540V	
Max. Input Current per MPPT			30A/22A/22A	
Max. Short Circuit Current per MPPT			40A/30A/30A	
String per MPPT			2/2/2	
Nos. of MPPT			3	
Input/Output (BAT)				
Battery Type			Lithium-ion/Lead-acid	
Nominal Battery Voltage			48V	
Battery Voltage Range			40V-64V	
Max. Charge/Discharge Current	210A/180A		210A/210A	
Max. Charge/Discharge Power	10,000W/8,000W		10,000W/10,000W	
Output (Grid)				
Nominal AC Output Power	8,000W		10,000W	
Max. AC Output Apparent Power	8,800VA		11,000VA	
Max. AC Output Power (PF=1)	8,800W		11,000W	
Max. AC Output Current	40A		50A	
Nominal Grid Voltage			220V/230/240V, L+N+PE	
Grid Voltage Range			150V-300V (Adjustable)	
Nominal 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			<3% (Rated Power)	
Output (Back up)				
Nominal Output Power	8,000W		10,000W	
Nominal Output Current	34.8A		43.5A	
Peak Output Apparent Power (1s)	16,000VA		20,000VA	
Nominal Output Voltage			220V/230/240V, L+N+PE	
Nominal Output Frequency			50Hz/60Hz	
Transfer Time			<10ms (typical)	
THDV			<3% @100% R Load	

BE8/10KW-1PH

HYBRID INVERTER

Model	BE8KW-1PH	BE10KW-1PH
Protection		
Protection Category	Class I	
DC Switch	Yes	
Anti-islanding Protection	Yes	
AC Overcurrent Protection	Yes	
DC/AC Overvoltage Protection	DC Type II, AC Type III	
AC Short Circuit Protection	Yes	
DC Reverse Protection	Yes	
Surge Arrester	DC Type II, AC Type II	
Insulation Resistance Detection	Yes	
Leakage Current Protection	Yes	
AFCI	Optional	
Generator	Yes	
General		
Max. Operation Altitude	4000m (>2000m derating)	
Ingress Protection Degree	IP65	
Operating Temperature Range	-25°C~60°C (>45°C derating)	
Relative Humidity	0~100%	
Cooling	Fan Cooling	
Mounting	Wall bracket	
Dimensions (W*H*D)	420mm*800mm*240mm	
Weight	39Kg	
PV Connection Way	Terminals	
HMI & COM		
Display	Bluetooth & APP + LED , LCD (optional)	
Communication Interface	RS485/CAN (for BMS), DRM/RS485 (for Meter), RS485, Optional: Wi-Fi/LAN	
Certification		
Safety	IEC 62109-1&2	
Grid	IEC 61727/62116, AS 4777.2, NRS 097-2-1	
Warranty	5 Years	