

ANYTIME, ANYWHERE REMOTE MONITORING PLATFORM

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



1PH-Hybrid Inverter

3.6kW/4.6kW/5.0KW/6.0kW



Fast charging or discharging up to 120A



Fanless cooling design, long lifespan and quiet performance



Seamless transition to backup mode, <10 ms UPS-level switching



Parallel connection up to 9



IP65 outdoor and indoor application



Feed-in limitation function (zero export)



PV system oversizing up to 9KW



Support for both local and remote communication



1PH-Hybrid Inverter

3.6kW/4.6kW/5.0kW/6.0kW

Model	BE3.6KW-1PH	BE4.6KW-1PH	BE5KW-1PH	BE6KW-1PH
Efficiency				
Max. Efficiency (PV to AC)			97.3%	
Max. Efficiency (BAT to AC)			94.3%	
Euro. Efficiency (PV to AC)			96.8%	
Input (PV)				
Max. PV Input Power	6,300W		9,000W	
Max. PV Voltage			550V	
Start-up Voltage			90V	
MPPT Voltage Range			70V-540V	
Max. Input Current			15A/15A	
Max. Short Circuit Current			20A/20A	
Nos. Of MPPT			2	
String per MPPT			1/1	
Input/Output (BAT)				
Battery Type			Lithium-ion/Lead-acid	
Nominal Battery Voltage			48V	
Battery Voltage Range			40V-65V	
Max. Charge/Discharge Current	60A/60A	120A/120A	120A/120A	120A/120A
Max. Charge/Discharge Power	3,000W/3,000W	6,000W/6,000W	6,000W/6,000W	6,000W/6,000W
Output (Grid)				
Nominal AC Output Power	3,600W	4,600W	5,000W	6,000W
Max. AC Apparent Power	3,960VA	4,600VA	5,500VA	6,000VA
Max. AC Output Power (PF=1)	3,960W	4,600W	5,500W	6,000W
Max. AC Output Current	18A	22A	25A	27.2A
Nominal Grid Voltage		220V/230V/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	3,000W	4,600W	5,000W	6,000W
Nominal Output Current	13A	20A	21.7A	26A
Peak Power (>1s)	4,500VA	6,900VA	7,500VA	9,000VA
Nominal Output Voltage		220V/230V/240V, L+N+PE		
Nominal Output Frequency		50Hz/60Hz		
Transfer Time		<10ms		
THDV		<3%@100%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	
Surge Arrester			DC Type III, AC Type III	
PV Insulation Detection			Yes	
Leakage Current Protection			Yes	
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)		570mm*495mm*175mm		
Weight	20kg		25kg	
PV Connection			MC4/H4	
Battery Connection			Dedicated DC connector	
AC Connection			Dedicated AC connector	
HMI & COM				
Display			LED+APP	
Communication Interface		RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: Wi-Fi/GPRS/LAN		
Certification				
Grid		IEC 61727, EN 50549-1, G99, CEI 0-21, RD1699/661/647/413, NTS, UNE 217001		
Safety and EMC		IEC 62109-1/2, EN 62109-1/2, IEC 61000		
Warranty		5 Years/10 Years (Optional)		

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