

BBECCO

BBE-3-PL1 | BBE-4.5-PL1 | BBE-6-PL1 | BBE-10-PL1
BBE-4-PL1 | BBE-5-PL1 | BBE-8-PL1 | BBE-12-PL1



MAX. EFFICIENCY UP TO 98,3%



EASY AND QUICK MONTAGE



MAXIMUM INPUT VOLTAGE DC 1000 V



TECHNICAL SUPPORT AND SERVICE IN POLAND



LARGE VOLTAGE RANGE AC SIDE



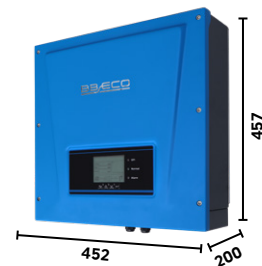
CERTIFICATE EN 50549, IEC/EN 62109 AND IEC/EN6100



COMMUNICATION RS485, WiFi, (LAN, 4G-optional)



10 YEARS WARRANTY IN STANDARD



BBE-3-PL1	BBE-4.5-PL1	BBE-6-PL1	BBE-10-PL1
BBE-4-PL1	BBE-5-PL1	BBE-8-PL1	BBE-12-PL1

INPUT PARAMETERS DC (PV)

	BBE-3-PL1	BBE-4-PL1	BBE-4.5-PL1	BBE-5-PL1	BBE-6-PL1	BBE-8-PL1	BBE-10-PL1	BBE-12-PL1
Max. no-load voltage (UOC max)	1000 V							
Start voltage	180 V							
Number of MPP tracker	2							
Connection per tracker	1							
Max. input power per tracker	3500 W	4500 W	5500 W	5700 W	6200 W	6200 W	6200 W	6800 W
Operating range	160V - 960V							
Max. input current per MPPT	11 A							
Max. short-circuit current (ISC max) [A]	14 A							
MPP range	160V - 850V	190V - 850V	240V - 850V	240V - 850V	290V - 850V	380V - 850V	480V - 850V	575V - 850V

OUTPUT PARAMETERS (ON GRID)

	BBE-3-PL1	BBE-4-PL1	BBE-4.5-PL1	BBE-5-PL1	BBE-6-PL1	BBE-8-PL1	BBE-10-PL1	BBE-12-PL1
Rated output power	3000 W	4000 W	5000 W	5000 W	6000 W	8000 W	10000 W	12000 W
Max. AC power	3300 VA	4400 VA	5000 VA	5500 VA	6600 VA	8800 VA	11000 VA	13200 VA
Normal grid voltage	3/N/PE 230V/400V							
Grid voltage range	310-480Vac (adjustable)							
Grid Frequency range	44-55 Hz/54-66 Hz (according to local standard)							
Active power adjustable range	0 - 100%							
THDI	<3%							
Power factor	1 (adjustable, +/-0.8)							
Max. output current	4.8 A	6.4 A	8.0 A	8.0 A	9.6 A	12.8 A	15.9 A	19.1 A

EFFICIENCY, SAFETY AND PROTECTION

	BBE-3-PL1	BBE-4-PL1	BBE-4.5-PL1	BBE-5-PL1	BBE-6-PL1	BBE-8-PL1	BBE-10-PL1	BBE-12-PL1
Max. efficiency	98%				98,3%			98,3%
European weighted efficiency (EU/CEC)	97,5%				98%			98%
Standby consumption	<1 W							
Start power	25 W							
MPPT efficiency	>99,5%							
DC switch	Yes							
Grid connection standard	EN 50549, IEC/EN 61000, IEC/EN 62109							
Interfaces communication	RS485, Wi-Fi (LAN i 4G - optional)							
Anti inslanding safety protection	Yes							
RCMU safety protection	Yes							
Ground fault monitoring	Yes							
DC reserse polarity protection	Yes (in terms of rated currents and voltages)							
Measurement of insulation resistance on the AC and DC side	Yes							
Ground resistance measurment	Yes							
DC surge protection	Type III							
AC surge protection	Type III							

GENERAL DATA

	BBE-3-PL1	BBE-4-PL1	BBE-4.5-PL1	BBE-5-PL1	BBE-6-PL1	BBE-8-PL1	BBE-10-PL1	BBE-12-PL1
Operating temperature range	From -25°C to +60°C							
Relative operating humidity	0-100% without condensation							
Circuitry topology	Transformerless							
Protection class	IP65							
Max. operating altitude	<2000 m							
Weight	21 kg				22 kg			
Cooling	Natural							
Dimension	457 x 452 x 200 mm							
Warranty	10 years							

