



Product Service

CERTIFICATE

No. Z2 124473 0004 Rev. 00

Holder of Certificate: **BEXIE Group S.L.**
Calle Covadonga 5
33002 Oviedo (Asturias)
SPAIN

Certification Mark:



Product: **Hybrid Energy Storage System**
Single phase All-in-one hybrid energy storage system

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701262418302-00

Valid until: 2029-07-28

Date, 2024-09-04

(Kai Zhao)

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No. Z2 124473 0004 Rev. 00

Model(s):

BXM 600/1300, BXM 800/1300, BXM 1000/1300,
BXM 600/2400, BXM 800/2400, BXM 1000/2400

Parameters:

Model	BXM 600/1300	BXM 800/1300	BXM 1000/1300
PV port			
Max. PV input power	2000 W		
Max. PV input voltage	d.c. 50 V		
MPPT voltage range	d.c. 16 V ... 50 V		
Max. operating input current	d.c. 28 A * 2		
Isc PV (absolute maximum)	d.c. 39 A * 2		
Battery (inside)			
Cell type	LiFePO4		
Rated capacity	27 Ah		
Total energy	1.3 kWh		
Standard temperature range for charge	-15 °C ... +45 °C		
Standard temperature range for discharge	-15 °C ... +45 °C		
AC port			
Nominal voltage	1/N/PE AC 220V, 1/N/PE AC 230V, 1/N/PE AC 240V		
Nominal frequency	50/60 Hz		
Nominal output apparent power (on-grid)	600 VA	800 VA	1000 VA
Max. output apparent power (on-grid)	600 VA	800 VA	1000 VA
Max. output current (on-grid)	a.c. 2.8 A	a.c. 3.8 A	a.c. 4.8 A
Max. input apparent power (on-grid)	1000 VA		
Max. input current (on-grid)	a.c. 4.8 A		
Nominal output apparent power (off-grid)	1000 VA		
Max. output apparent power (off-grid)	1000 VA		
Max. output current (off-grid)	a.c. 4.8 A		
EPS mode	Manual switch		
General information			
Power factor range	0.8 ind ... 0.8 cap		
Inverter topology	Isolated		
Ingress protection	IP55		
Protect class	I		
Overvoltage category	II (DC), III (MAINS)		

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Model	BXM 600/2400	BXM 800/2400	BXM 1000/2400
PV port			
Max. PV input power	2000 W		
Max. PV input voltage	d.c. 50 V		
MPPT voltage range	d.c. 16 V ... 50 V		
Max. operating input current	d.c. 28 A * 2		
Isc PV (absolute maximum)	d.c. 39 A * 2		
Battery (inside)			
Cell type	LiFePO4		
Rated capacity	50 Ah		
Total energy	2.4 kWh		
Standard temperature range for charge	-15 °C ... +45 °C		
Standard temperature range for discharge	-15 °C ... +45 °C		
AC port			
Nominal voltage	1/N/PE AC 220V, 1/N/PE AC 230V, 1/N/PE AC 240V		
Nominal frequency	50/60 Hz		
Nominal output apparent power (on-grid)	600 VA	800 VA	1000 VA
Max. output apparent power (on-grid)	600 VA	800 VA	1000 VA
Max. output current (on-grid)	a.c. 2.8 A	a.c. 3.8 A	a.c. 4.8 A
Max. input apparent power (on-grid)	1000 VA		
Max. input current (on-grid)	a.c. 4.8 A		
Nominal output apparent power (off-grid)	1000 VA		
Max. output apparent power (off-grid)	1000 VA		
Max. output current (off-grid)	a.c. 4.8 A		
EPS mode	Manual switch		
General information			
Power factor range	0.8 ind ... 0.8 cap		
Inverter topology	Isolated		
Ingress protection	IP55		
Protect class	I		
Overvoltage category	II (DC), III (MAINS)		

**Tested
according to:**

EN 62109-1:2010
 IEC 62109-1:2010
 EN 62109-2:2011
 IEC 62109-2:2011