

POWER2RAXX

The modular commercial storage unit
with a 10-year warranty



E-Mobility



Drive
System



Energy Storage
Systems



Power- and
Garden Tools



Industrial



Medical

BMZ POWER2RAXX

Long life energy storage system for commercial and industrial applications

POWER2RAXX The Indoor and outdoor solution

- Robust storage system, flexibly adaptable
- Compact and scalable, consisting of 51 kWh units
- 10-year warranty
- Up to 10 POWER2RAXX can be connected together to form a battery system



TECHNICAL DETAILS

Basic parameters	Indoor	Outdoor
Energy (usable)		32 – 51 kWh
Nominal voltage		256 – 409 V
End-of-charge voltage		280 – 448 V
Final discharge voltage		231 – 370 V
Capacity (usable)		125 Ah
Charging current (max.)	90 A	90 A
Discharge current peak (3s)	100 A	120 A
Discharge current (nom.)	90 A	90 A
Discharge power (max.)		23 – 37 kW
Discharge power peak		31 – 49 kW
Discharge depth		72% DOD (in relation to nom. capacity)
Full Cycles		5,500 (for residual capacity of 60 %)

Basic parameters	Indoor	Outdoor
Optional PV (max.)	75 kWp	36 – 72 kWp
Optional PV input current (max.)	4 MPPT's each 30A	2 – 4 MPPT's each 24
Optional PV MPPT voltage range	200 – 850 V	300 – 1270 V
Rated AC voltage	3L/N/PE; 220/380V; 230/400V; 240/415V	
Max. AC output current	66 A	42 A
UPS switching time	< 20 ms	./.
Operating altitude (max.)	2000 m above sea level	
Ambiente operating temperature	0 to 45 °C	-20 to 50 °C
Enclosure Protection Rating	IP21	IP55
Max. Weigh single rack single inverter	725 kg 75 kg	820 kg integrated
Dimensions (W x H x D) single rack single inverter	808 x 2112 x 893 800 x 620 x 300	894 x 2145 x 1050 integrated
Communication interfaces	CAN / RS-485 / Ethernet	
Certifications	IEC62619 / CE / UN38.3 / EN61439	
Applications	On Grid / On Grid + Backup / Off Grid	
Warranty	10 Years	
Modul Type	Helios 1.4	
Cell type	NCA	
Configuration	14s20p	
Dimensions (W x H x D)	214 mm x 156 mm x 546 mm	
Weight	22 kg	

Any questions?

Contact us, we will be pleased to advise you.

Headquarters

BMZ Germany GmbH

Zeche Gustav 1
63791 Karlstein am Main
Germany

T: +49 6188-9956-0

E: mail@bmz-group.com

BMZ USA Inc.

1429 Miller Store Road
Virginia Beach
VA 23455
USA

T: +1-757 821-8494

E: contact-usa@bmz-group.com

BMZ Company Ltd.

Julong Technology Building B
Cuibao Road, Longgang District,
Shenzhen, Guangdong Province
P.R.China 518116

T: +86 755 8977 5800

E: contact.cn@bmz-group.com

BMZ Poland Sp. z o.o.

Alberta Einsteina 9
44-109 Gliwice
Poland

T: +48 327842 450

E: BMZPolandSales@bmz-group.com

BMZ Innovation Group Ltd

Future Business Centre
Kings Hedges Road
Cambridge, CB4 2HY
United Kingdom

T: +44 7767 038663

E: power.uk@bmz-group.com

BMZ Japan KK

Shitaya 1-6-5, Taito-ku,
Tokyo, 110-0004
Japan

T: +81 35811 1973

E: tokio.kobayashi@bmz-group.com

BMZ France S.A.R.L.

153 Boulevard Haussmann
75008 Paris
France

T: +33 06 84 52 76 29

E: valerie.halais@bmz-group.com

www.bmz-group.com

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