

# POWER2RAXX LL 80

The modular commercial storage  
unit with a 12-year warranty



E-Mobility



Drive  
System



Energy Storage  
Systems



Power- and  
Garden Tools



Industrial



Medical

# BMZ POWER2RAXX LL 80

Long life energy storage system for commercial and industrial applications

## POWER2RAXX LL 80 The indoor and outdoor solution

- Robust storage system, flexibly adaptable
- Compact and scalable, consisting of 80,9 kWh units
- 12-year warranty
- Up to 10 POWER2RAXX LL 80 can be connected together to form a battery system



## TECHNICAL DETAILS

| Basic parameters                 | Indoor            | Outdoor           |
|----------------------------------|-------------------|-------------------|
| Energy (max.)*                   | 80.9 kWh          | 80.9 kWh          |
| Nominal voltage                  | 409 V             | 409 V             |
| Capacity (max.)                  | 198 Ah            | 198 Ah            |
| Charging current (max.)          | 90 A              | 90 A              |
| Discharge current – peak (3s)    | 100 A             | 100 A             |
| Discharge current (nom.)         | 90 A              | 90 A              |
| Discharge power (max.)           | 40 kW             | 40 kW             |
| Discharge power – peak           | 50 kW             | 50 kW             |
| Cycles                           | up to 10,000      | Up to 10,000      |
| Optional PV (max.)               | 60 kWp            | 60 kWp            |
| Optional PV input current (max.) | 4 MPPTs, each 30A | 4 MPPTs, each 30A |

\*According to IEC 0.1 C, charge to 4.2 V, discharge to 2.5 V with 0.1 C at 25 °C.

| Basic parameters                                         | Indoor                                | Outdoor                               |
|----------------------------------------------------------|---------------------------------------|---------------------------------------|
| Optional PV-MP PT voltage range                          | 200-850 V                             | 200-850 V                             |
| Nominal AC voltage                                       | 3L/N/PE; 220/380V; 230/400V; 240/415V | 3L/N/PE; 220/380V; 230/400V; 240/415V |
| Max. output AC current                                   | 60 A                                  | 60 A                                  |
| UPS switching time                                       | < 20 ms                               | < 20 ms                               |
| Operating ambient temperature                            | 0 to 45 °C                            | -10 bis +60 °C                        |
| Enclosure protection class                               | IP21                                  | IP55                                  |
| Max. weight<br>single rack<br>single inverter            | 798 kg<br>75 kg                       | 812 kg<br>75 kg                       |
| Dimensions (W x H x D)<br>single rack<br>single inverter | 816 x 2131 x 839<br>800 x 620 x 300   | 816 x 2131 x 839<br>800 x 620 x 300   |
| Communication interfaces                                 | CAN / RS-485 / Ethernet               | CAN / RS-485 / Ethernet               |
| Certifications                                           | CE / UN38.3 / EN61439                 | CE / UN38.3 / EN61439                 |
| Areas of application                                     | On Grid / On Grid<br>+Backup Off Grid | On Grid / On Grid<br>+Backup Off Grid |
| Warranty                                                 | 12 years                              | 12 years                              |

| Modul Type             | Helios VE LongLife       |
|------------------------|--------------------------|
| Cell type              | Li-Ion - BMZ Technology  |
| Dimensions (W x H x D) | 217 mm x 155 mm x 546 mm |
| Weight                 | 22 kg                    |
| Voltage                | 50.4 V                   |
| Capacity               | 66 Ah                    |

# Any questions?

Contact us, we will be pleased to advise you.

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