

HYPERION LONG LIFE

Robust and durable high-voltage lithium-ion storage
for self-sufficient energy supply



E-Mobility



Drive
System



Energy Storage
Systems



Power and
Garden Tools

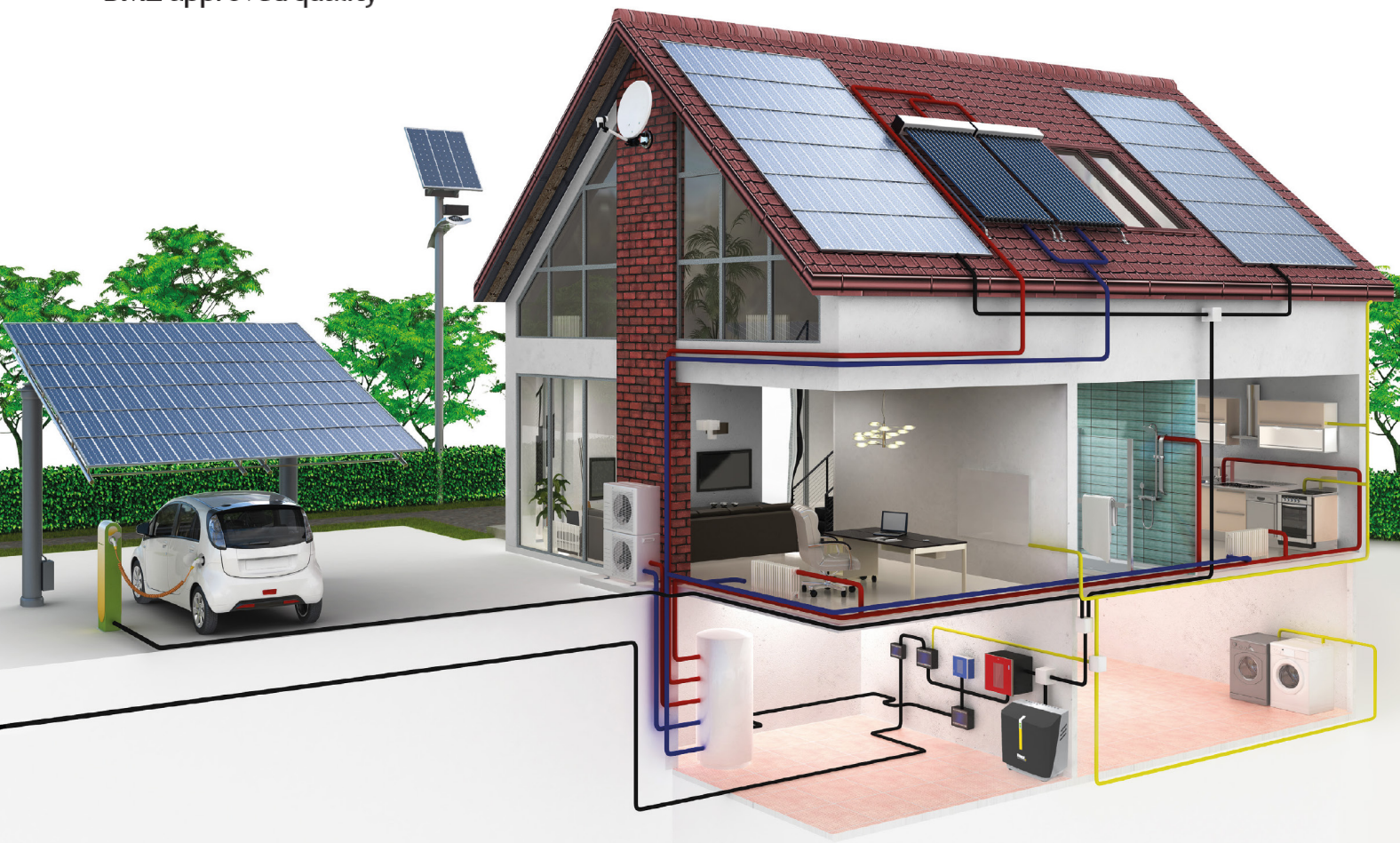


Industrial



Medical

made in GERMANY
BMZ approved quality



HYPERION LONG LIFE

Robust and safe

- 20-year lifespan & 10-year warranty
- Metal housing for system and battery modules
- 2-channel safety architecture
- Independently verified safety

Easy installation

- Individual parts weigh less than 28 kg
- Can be operated by one person
- Battery system can be installed in less than 30 minutes

High flexibility

- Single installation can be used with 8.4 or 12.6 kWh
- Expandable
- Floor stand, ready for wall mounting
- Black start capable for emergency power/island operation

Low noise

- Passive cooling



TECHNICAL SPECIFICATIONS

| Technical features | Modules | |
|--|---|---------------------|
| | 4 | 6 |
| Battery pack voltage | 204 V | 307 V |
| Battery capacity (usable) | 41.5 Ah | |
| Energy (nom./usable) | 13.5 kWh / 8.4 kWh | 20.1 kWh / 12.6 kWh |
| Final charging voltage | 224 V | 336 V |
| Final discharge voltage | 187 V | 280 V |
| Charging current (max.) | 29 A | |
| Discharge current peak (3 sec.) | 40 A | |
| Discharge current (nom.) | 30 A | |
| Discharge power peak | 8.2 kW | 12.3 kW |
| Discharge power (max.) | 6.1 kW | 9.2 kW |
| Weight | 129 kg | 173 kg |
| Dimensions (W x H x D) | 751 x 870 x 423 mm | |
| Weight of single module | 22 kg | |
| Dimensions (W x H x D) | 546 x 217 x 155 mm | |
| Operating temperature during discharge | -15 °C to 55 °C | |
| Operating temperature during charging | 0 °C to 45 °C | |
| Storage temperature | -20 °C to 60 °C | |
| Housing protection class | IP21 | |
| Interfaces/compatibility | CAN: SMA ¹ , Goodwe ² , SOFARSOLAR ³ , Solis ⁴ / RS-485: Kostal ⁵ optional Ethernet for Internet connection ⁶ | |
| Battery technology | Li-Ion NCA | |
| Depth of discharge | 63 % DOD (in relation to nom. capacity) | |
| Complete cycles | 10,000 ⁸ | |
| Certifications | IEC62619 / CE / UN38.3 | |
| Applications | Mains operation / mains operation + backup ⁷ / mains independent ⁷ | |

| * | Inverter/supplier | Type | Min. firmware / note | HYPERION Min. modules | Mindest firmware |
|---|---|--|--|-----------------------|------------------|
| 1 | SMA | Sunny Boy Storage 3.7/5.0/6.0 Tripower Smart Energy | 3.11.17.R 3.02.20.R | 3 4 | 3.15.R 4.17.R |
| 2 | Goodwe | ET PLUS+ series (5–10 kW) | ARM firmware V20 | 4 | 4.20.R |
| 3 | SOFARSOLAR | HYD 5K...20KTL-3PH and ME 5K...20KTL-3PH | V110022 or newer V110022 or newer | 4 4 | 4.21.R 4.21.R |
| 4 | Solis | S6-EH3P(3-10)K-H-EU | V04-13 or newer | 3 | 4.21.R |
| 5 | Kostal | PLENTICORE plus/BI | requires an activation code from Kostal | 3 | 4.01.R |
| 6 | optional Ethernet WEB gateway (item no. 618845) for automatic battery firmware update | | | | |
| 7 | Emergency power or reserve power operation only with inverters suitable for emergency power or reserve power. For details on features and requirements, please contact the manufacturer of the inverter. | | | | |
| 8 | At > 40% remaining capacity; 7,000 cycles with a remaining capacity of > 60% | | | | |

Any questions?

Contact us, we will be pleased to advise you.

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