

EMPOWER HOMES

Lithium-ion high-voltage storage
for a self-sufficient energy supply



E-Mobility



Drive
System



Energy Storage
Systems



Power- and
Gardentools



Industrial



Medical



THE NEW HV- GENERATION

**Safe. Robust. Modular. Extendable.
Emergency Power*.**

The **HYPERION SE** (Special Edition) offers the consumer a modular design in the existing housing. It is available in four configurations with three, four, five or six modules. The minimum configuration with three modules has a usable energy content of 7.5 kWh, which can be expanded in 2.5 kWh increments to a maximum of 15 kWh if required.

TECHNICAL DETAILS

Technical Properties	Modules			
	3	4	5	6
Energy (nom./usable)	9.7 kWh / 7.5 kWh	12.9 kWh / 10.0 kWh	16.1 kWh / 12.5 kWh	19.3 kWh / 15.0 kWh
Nominal voltage	155 V	207 V	258 V	310 V
End-of-charge voltage	170 V	227 V	284 V	340 V
Final discharge voltage	134 V	179 V	224 V	268 V
Capacity (usable)	48.7 Ah			
Charging current (max.)	29 A			
Discharge current peak (3s)	40 A			
Discharge current (nom.)	30 A			
Discharge power peak	6.2 kW	8.3 kW	10.3 kW	12.4 kW
Discharge power (max.)	4.6 kW	6.2 kW	7.7 kW	9.3 kW
Weight	107 kg	129 kg	151 kg	173 kg
Dimensions (W x H x D)	751 x 870 x 423 mm			
Single Module Weight	22 kg			
Single Module Dim. (W x H x D)	546 mm x 217 mm x 155 mm			
Discharge operating temperature	-15 bis 55 °C			
Load operating temperature	0 bis 45 °C			
Storage temperature	-20 bis 60 °C			
Enclosure Protection Rating	IP21			
Interfaces / Compatibility	CAN: SMA ¹ , Goodwe ² , SOFARSOLAR ³ , Solis ⁴ / RS-485: Kostal ⁵ optional Ethernet for Internet connectivity ⁶			
Battery chemistry	Li-Ion NCA/NMC			
Discharge depth	77 % DOD (in relation to nom. capacity)			
Full Cycles	5,000 or 3,000 (with residual capacity of 60% or 80%)			
Certifications	IEC62619 / VDE-AR-E2510-50 / CE / UN38.3			
Applications	On Grid / On Grid + Backup ⁷ / Off Grid ⁷			

*	Inverter / Vendor	Type	Min. firmware / hint	HYPERION Min. modules	Min. 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 oder neuer V110022 oder neuer	4 4	4.21.R 4.21.R
4	Solis	S6-EH3P(3-10)K-H-EU	V04-13 oder neuer	3	4.21.R
5	Kostal	PLENTICORE plus/BI	requires an activation code from Kostal	3	4.01.R
6	optional Ethernet WEB-Gateway (Art. No. 618845) for automatic battery firmware update				
7	Emergency or backup power operation only with emergency or backup power-capable inverters. For details on the functions and requirements, please contact the inverter manufacturer.				

Any questions?

Contact us, we will be pleased to advise you.

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