

The Electrifying Lifestyle

SENEC.Home V3 hybrid

Award Winning



All-In-One
Hybrid

20 Year Extended
Warranty

Manufactured
in Germany



SENEC

SENEC.Home V3 hybrid

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General Technical Data

Dimensions	1.175 mm (H) x 530 mm (W) x 406 mm (D)	
Total Weight	80 kg	115 kg
Battery Module Weight	34.5 kg per Battery Module	
Compatible Grid Type	TN / TN-C / TN-S / TT systems	
Number of Phases	Single-phase power output (suitable for single- and three-phase domestic connections)*	
Ambient temperature	indoor conditioned: 5 °C – 40 °C / optimal: 10 °C – 25 °C	
Relative Humidity	10 % – 85 % (non-condensing)	
Storage Temperature	Case: -20 °C – 50 °C / Battery Module: -10 °C – 40 °C by a relative humidity of 45 % – 85 %	
Max. operating altitude	2,000 m / 6,560 ft	
Ingress Protection	IP30	
Communication	Ethernet	
Backup Power Mode** (Automatic & Islanding)	1,500 VA	3,000 VA
Interfaces	SENEC.App, Device Integrated Display and my.senec.com (user portal)	

Performance Data

Max. Hybrid Power***	6,500 W	8,000 W
Max. Power Output AC	5,000 W	
Rated apparent power	1x 5.0 kVA	
Max. PV Input Voltage [DC]	750 V	
Number of MPP Inputs	2	
Max. Efficiency	97.4 %	
Max. PV input current DC (per MPP)	20 d.c. A	
Max. PV short-circuit current DC (per MPP)	23 d.c. A	
MPP Voltage Range	75 – 650 d.c. V	
Battery Module Manufacturer	Samsung SDI	
Battery Technology	Lithium-ion (NMC = lithium-nickel-manganese-cobalt-oxide)	
Low Voltage Battery [DC]	44.8 V – 58.1 V	
Initial Usable Storage Capacity	4.5 kWh	9.0 kWh
Max. Charge Power [DC]****	1,500 W	3,000 W
Max. Discharge Power [DC]**	2,000 W	3,500 W
Max. Charge/Discharge Current [DC]	31 A / 37,6 A per Battery Module	

Warranty & Maintenance

Product warranty*****	10 year manufacturer's warranty 20 year extended warranty purchasable
Monitoring	Free via app for Android and iOS or via PC/ laptop on my.senec.com
Remote maintenance	Automatic software updates & diagnosis

Certification & Standards

BESS (including optional Backup Power)	Grid codes: AS/NZS 4777.2:2020 Product safety: AS 62040-1:2019; IEC 62040-1:2017; IEC 62477-1:2012; IEC 62109-1:2010; IEC 62109-2:2011
Battery Safety	UN 38.3 IEC 62619:2017

Safety

Deep Discharge Protection	By integrated BMS Automatic safety charge from grid
Overtemperature Protection	Automatic Power Regulation
DC Overvoltage Protection	Built in (SPD Type II)

- * Three-phase measurement with external power meter (included in scope of delivery of the SENECHOME V3 hybrid).
- ** The optional backup power mode is only available with the SENECHOME Backup Power pro bundle. Extra costs for additional material and installation may apply.
- *** This is the max. amount of usable power at a time combining 5 kW max. AC power output and 3 kW max. DC charging power.
- **** Power reduction possible due to temperature and charge level.
- ***** The warranty conditions can be viewed at senec.com.

A permanent internet connection is mandatory. All information without guarantee. Modifications and errors excepted.