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Manufactured in Germany

All-In-One Hybrid

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SENEC.Home V3 hybrid

Award Winning German Solar Battery Technology

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SCAN ME

SENEC

Technical Data

SENEC

SENEC.Home V3 hybrid	5	10
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 (three-phase measurement/suitable for single- and three-phase connections)	
Operating Ambient Temperature	5 °C – 40 °C (10 °C – 25 °C optimal)	
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 %	
Ingress Protection	IP30	
Backup Power Mode* (Automatic & Islanding)	1,500 W	3,000 W
Communication	Ethernet	
Interfaces	SENEC.App, Device Integrated Display and my.senec.com (user portal)	
Performance Data		
Max. Hybrid Power**	8,000 W	
Max. Power Output AC	5,000 W	
Max. PV Input Voltage (DC)	600 V	
Number of MPP Inputs	2	
Max. Efficiency	97.4 %	
Max. PV input current DC (per MPP)	20 A	
Max. PV short-circuit current DC (per MPP)	23 A	
MPP Voltage Range	75 - 600 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

Safety

Deep Discharge Protection	By integrated BMS Automatic safety charge from grid
Over-Temperature Protection	Automatic Power Regulation
DC Over-Voltage Protection	Built in (SPD Type II)

Certification & Standards

Battery Safety	UN 38.3 IEC 62619:2017
Backup Power	IEC 62109-2:2012
BESS	Grid codes: AS/NZS 4777.2:2015; IEC 62109-1:2010; IEC 62109-2:2011 Product safety: AS 62040-1-1:2003 (R2013), IEC 62040-1:2017; IEC 62477-1:2012

* The optional backup power mode is only available with the SENEC.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.

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