

Your life. Your energy.

One of a kind:

100% usable
capacity
guaranteed
for 10 years.



SENECH.Home V2.1

Technical data sheet



SENECH

Technical data

SENEC.Home V2.1	2.5	5.0	7.5	10.0
General technical data				
Dimensions (H x W x D)	1,105 mm x 535 mm x 535 mm			
Total weight	83 kg	105 kg	127 kg	149 kg
Battery weight	22 kg per battery module			
Compatible grid type	TN / TN-C / TN-S / TT systems			
Number of phases	Three-phase measurement / single-phase power output / three-phase compensation			
Optimal/permitted operating temperature	10 °C to 30 °C / 5 °C to 40 °C			
Relative humidity	10 % to 85 % (non-condensing)			
Storage temperature	-20 °C to 50 °C (case) and -10 °C to 50 °C (battery module) at 45 % to 85 % humidity			
Ingress protection	IP20			
Backup power-capable*	Yes			
Daisy-chainable	Up to 7 systems			
Communication	Ethernet			
User interfaces	Display with LEDs and information display, mein-senec.de (user portal), SENECApp			
Performance data				
Battery module manufacturer	BMZ Group (Germany)			
Battery technology	Lithium ion technology <small>Battery module type NCA: lithium nickel cobalt aluminium oxide (NCA) Battery module type NMC: lithium nickel manganese cobalt oxide (NMC) Battery module type 250B K30 T03: lithium nickel cobalt aluminium oxide (NCA)</small>			
Battery DC voltage (per battery module type)	50.4 V (NCA) / 51.38 V (NMC) / 51.1 V (250B K30 T03)			
Number of cycles	12,000			
Initial usable storage capacity**	2.5 kWh	5.0 kWh	7.5 kWh	10.0 kWh
Max. charge power (DC)***	625 W	1,250 W	1,875 W	2,500 W
Max. discharge power (DC)***	1,250 W	2,500 W	2,500 W	2,500 W
Max. charge/discharge current (DC)	12 A / 24 A per battery module			
Certification & standards				
CE marking & EC compliance	EMC Directive 2014/30/EU (EN 61000-6-1:2007 EN 61000-6-3:2007 + A1:2011) Low Voltage Directive 2014/35/EU (EN 62109-1:2010; EN 62109-2:2011 EN 62040-1:2008 + A1:2013) RoHS 2011/65/EU			
VDE Application Rule	VDE-AR-N 4105:2018 VDE-AR-E 2510-2:2021 VDE-AR-E 2510-50:2017			
Battery safety	IEC 62619:2017 UN 38.3			
Backup power/backup power mode	EN 62109-2:2011			
Safety				
Deep discharge protection	Integrated battery management system Automatic safety charge from the grid			
Overtemperature protection	Automatic power regulation			
Warranty & monitoring				
Product warranty (Terms of warranty available at senec.com)	10 year manufacturer's warranty, extendable up to 20 years against a fee			
Monitoring	Free of charge, via mein-senec.de on PC/laptop/smartphone or via the Android and iOS app			
Remote maintenance	Automatic software updates Automatic diagnosis			

* The optional backup power mode is only available with the SENECA backup power box. Extra costs for additional materials and installation may apply.

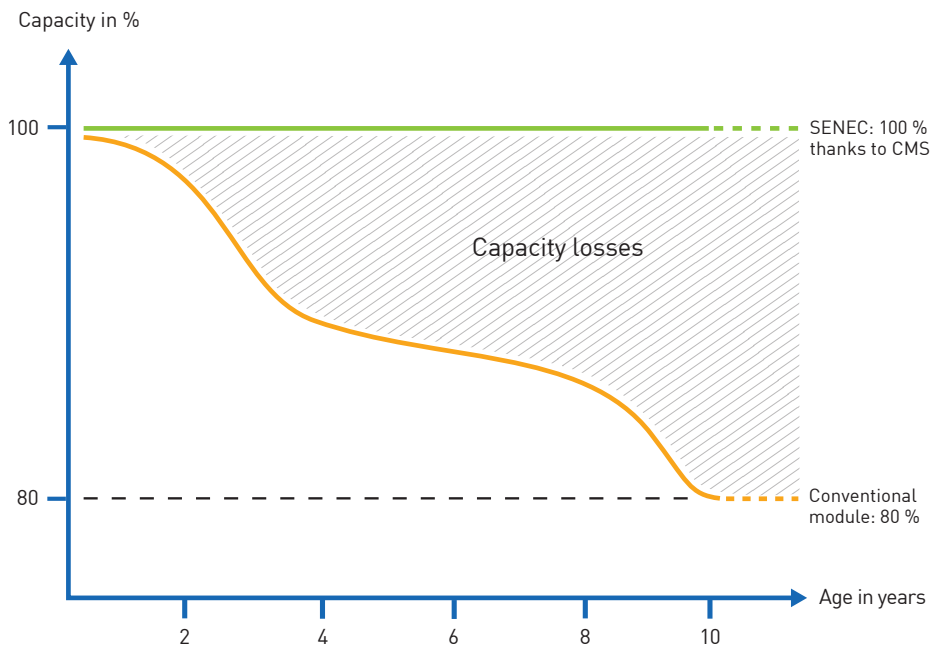
** Depends on charging and discharging conditions e.g. temperature and usage frequency.

*** Power reduction possible depending on temperature and state of charge.

SENECA Home is a smart, connected product. It requires a permanent internet connection and a SENECA user account. On purchasing SENECA Home, you therefore automatically enter into a free service agreement with SENECA GmbH.

For more information, please visit www.senec.com/vertragsbedingungen.

A real game-changer: the SENEK capacity management system



We have extended our battery management system for SENEK.Home V2.1. The result is the capacity management system (CMS), one of a kind on the market.

It is based on a combination of new cell technology, a specially adapted software control system and reserve capacity within the cells.

Thanks to this fantastic system, battery capacity remains consistently high over a 10 year period. **Guaranteed.**



**Up to 20 years
manufacturer war-
ranty.**



**Easy integration
into your domestic
power network.**



**Small space
required.
Fits into any home.**



**Keep electricity
costs low.
From day one on.**



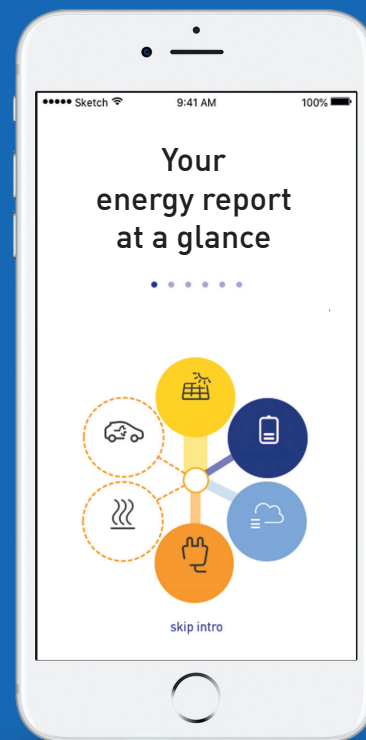
**Use electricity flexibly.
At anytime with the
Cloud.**

SENEK.Home V2.1: Clever, flexible and durable.

- 100 % usable capacity guaranteed for 10 years thanks to capacity management system
- Battery and storage system technology made in Germany
- Up to 20 years manufacturer warranty
- In-depth monitoring, free of charge, using online or app-based solution
- Easy plug and play installation
- Suitable for use with any solar installation, combined heat and power plant or small wind turbine
- 100% self-generated electricity using SENEK.Cloud
- Using Senec.Cloud to go, charge self-generated solar electricity at over 190,000 charging points (in Germany, Austria, Switzerland, France, Italy and the Netherlands)

All your data at your fingertips.
Thanks to the **SENEC.App**.

Keep your energy use on track,
no matter where you are:
Simply open up the homepage of
the intuitive SENECA.App to get an
immediate overview of your entire
system.



Contact your local SENECA partner for a personalised quote.

Your local technical partner:

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