

Your Life. Your Energy.

20 Year
Extended Warranty
New Hybrid
Technology

PV-Safety

DC-Overvoltage protection one per MPP (SPD Type II).

Overvoltage Protection DC (PV) side.

Saves the unit when lightning strikes the PV panels.

Valued at \$150 AUD per MPP x 2: \$300 AUD

Hybrid Inverter

Combined PV Inverter and Battery Inverter valued \$3,000 AUD



Integrated RCMU

Customer integrated RCMU (detects AC and DC residual currents).

Filters and detects AC and DC false currents to protect components from hazardous currents valued at \$400 AUD

Remote monitoring functionality with the Mein SENECHOME App. valued at \$500 AUD

SENECHOME V3 Hybrid

Award Winning German Solar Battery Technology



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	three-phase measurement/single-phase power output/three-phase compensation	
Operating Ambient Temperature	5 °C – 40 °C (10 °C – 30 °C optimal)	
Relative Humidity	10 % – 85 % (non-condensing)	
Storage Temperature	-20 °C – 50 °C (case) and -10 °C – 40 °C (battery module) by a relative humidity of 45 % – 85 %	
Ingress Protection	IP30	
Backup Power Mode*	3000 W / Fully Automatic & Islanding (Hybrid)	
Cascadable	up to 7 systems	
Communication	Ethernet	
Interfaces	SENEC App, Device Integrated Display and mein-senec.de (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 %	
Low Battery Voltage (DC)	44.8 V – 58.1 V	
MPP Voltage Range	75 - 540 V	
Battery Module Manufacturer	Samsung	
Max. PV input current DC (per MPP)	20 A	
Battery Technology	Lithium ion (NMC = lithium-nickel-manganese-cobalt-oxide)	
Max. PV short-circuit current DC (per MPP)	23 A	
Initial Usable Storage Capacity**	4.5 kWh	9.0 kWh
End of Life Storage Capacity***	80 % after 10 years	80 % after 10 years
Max. Charge Power (DC)	1,500 W	3,000 W
Max. Discharge Power (DC)	2,000 W	3,000 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 www.mein-senec.de
Remote maintenance	automatic software updates & diagnosis

* The optional backup power mode is only available with the SENE.Backup Power bundle.
Extra costs for additional material and installation may apply.

*** Depending on charging and discharging conditions such as temperature and frequency of use.
The warranty conditions can be viewed at senec.com.

A permanent internet connection is mandatory.

All information without guarantee. Modifications and errors excepted.

Safety

Deep Discharge Protection	By integrated BMS automatic safety charge from grid
Over-Temperature Protection	Automatic Power Regulation
DC Over-Voltage Protection	Built in

Certification & Standards

Battery Safety	UN 38.3 Battery safety: 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