



FENECON Pro 9-12 The smart storage system.

The FENECON Pro 9-12 is a fully integrated, modular system for storage of electrical energy in lithium-iron-phosphate (LiFePO₄) batteries. It is the perfect match for ambitious, future-oriented home-users and small companies.

With its generous output power and capacity you are optimizing the self-consumption from your photovoltaics installation and prepare yourself for power outages.

- ✓ 9 kW charge and discharge power
- ✓ 12 kWh usable battery capacity
- ✓ from 5,000 kWh annual electricity demand
- ✓ cluster mode possible
- ✓ LiFePO₄ battery technology

Thanks to the modular energy management system FEMS the Pro 9-12 is ready for new „Apps“ in order to realize different usage scenarios:

- ✓ **Charging station app**
intelligent charging of an electric car from renewable energy.
- ✓ **„SG-ready“ heat pump app**
control of a „Smart-Grid-Ready“ heat pump.
- ✓ **Water heater app**
„power-to-heat“ application for excess energy.



easy operation,
installation
and monitoring



emergency power
function



extendable
with apps

EMS

smart energy
management



smart-grid-ready



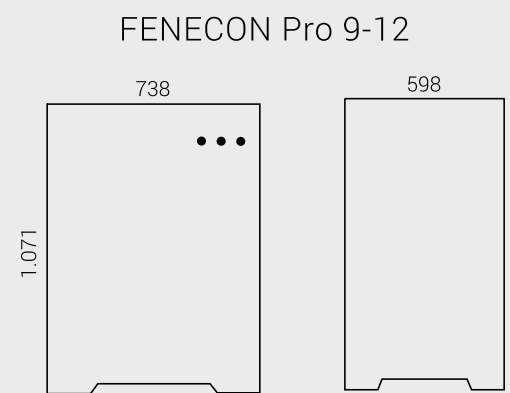
quality of the
worlds largest
producer of
batteries,
ev cars & ev buses

General data

System Type (manufacturer)	MINIES-P90B12-E-R2
Dimensions (W/D/H)	738 / 598 / 1,071 mm
Weight	280 kg
Mounting	floor-standing
IP protection class	IP 32
Operation temperature	0 - 40 °C
Installation site temperature	-10 - 40 °C
Operating mode	3-phase
Max. sound level	45 dB
Communication interface	RS485

Technical parameters according to manufacturer

Nominal capacity	DC 12.0 kWh
Technology	Lithium iron phosphate (LiFePO ₄)
Rest capacity after warranty	70 %
Max. power inverter	3 x 3 kVA
Continuous operation inverter	3 x 2 kVA
Frequency	50 Hz
Efficiency inverter	93 %
Emergency power	yes
Nominal output energy power	3 x 2 kVA
Battery management	active balancing



Warranty

- 5 years product warranty – extendable to 10 years
- 10 years 80 % time value replacement warranty according to KfW-terms
- 12 years or 6.000 cycles capacity warranty till 70 % residual capacity

Certifications

- CE; low voltage directive VDE-AR-N 4105
- EN 62477-1: 2012/A11:2014; IEC 62477-1(ed.1); EN 62040-1:2008/A1:2013; EC 62040-1(ed.1); PPP 59034A:2014; VDE-AR-N 4105:2011; DIN VDE 0126-1-1:2013; DIN V VDE V 0124-100:2012

Technical structure

