

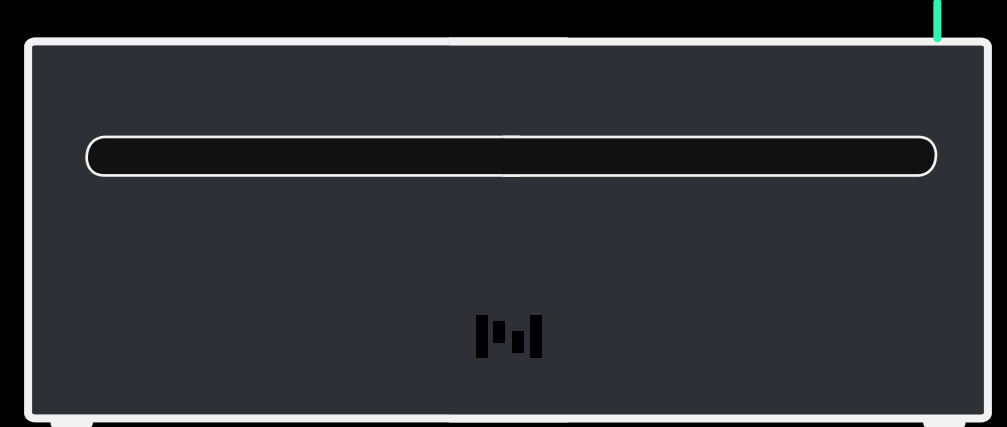
GRID BATTERY

GES7-P2

Nelinor's Grid Battery is a "plug and play" device that is able to trade and store electricity with the grid.

When connected to WiFi, it can automatically access and fetch market prices, buying energy at the lowest price and selling it at the highest price.

It can store and release excess local energy production with the help of a meter.



BATTERY PACK SPECIFICATIONS

Total Energy Capacity	7.2 kWh
Accessible Energy Capacity	7 kWh
Single Cell Voltage (Nominal)	3.2 V
Battery Cell Class	A-NEW
Battery Chemistry	LiFePo4
Battery Cells	8
Single Cell Capacity	280 Ah
Battery Cells Cycles (80% Capacity Remain)	6000

POWER MODULE SPECIFICATIONS

Model	P2
AC Out Voltage	230 V
AC Out Power (Discharging)	1.8 kW
AC In Voltage	230 V
AC In Power (Charging)	1.8 kW - 2.1 kW
AC Frequency Range	47 - 63 Hz
DC In Range	23vdc - 28vdc
AC-DC Conversion Efficiency	93%
AC Synchronization Period	2 Seconds
Over Load	105 - 115 %
Grid Standards	50549-1

Values are based on 24°C ambient temperature and at 75% load

BMS FEATURES

Access via Local WiFi
Remote Access via Internet
Cell Balancing
Temperature Monitoring
Android and iOS Application
Real-time Reporting
Per Cell Reporting
Control ON/OFF
State Of Charge LED indicator
Push Button ON/OFF

ENVIRONMENTAL & MECHANICAL

Working Temperature	0°C – 50°C
Storage Temperature	-20°C – 60°C
Installation Environment	Indoors IP20
Dimensions	H25cm*L60cm*W24cm
Noise Level	40 - 55 dBA
Weight	59 kg
Certification	CE, TUV BS EN/EN62368-1



Made In Finland