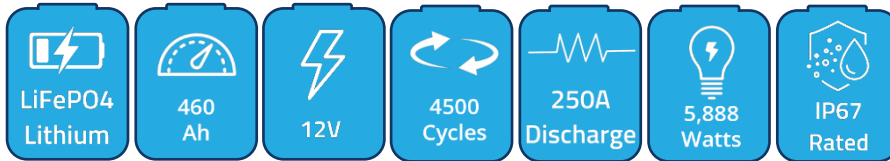


QUICK SPECS



FULL SPECIFICATIONS

CELL INFORMATION	
Cell Type	REPT 230Ah
Cell Configuration	4S2P
Nominal Capacity	460Ah
Energy	5888Wh
Cell Chemistry	Lithium Iron Phosphate
Cell Nominal Voltage	3.2V *4 (12.8V)
Cycle Life	5000 @ 80% DOD
Maximum Discharge	250A
Maximum Charge	250A
Nominal Voltage	12.8V
Discharge Cut Off Voltage	10V
Discharge Temperature Range	-20C to 60C
Charge Temperature Range	0C to 60C
Storage	10C to 35C @ 50% SOC
Measurements in mm (LxWxH)	522 x 240 x 220
Weight	38KG
Battery terminals	M8
Conformity	UN38.3, ROHS, CE



BMS INFORMATION	
BMS Type	JBD
Maximum Discharge	250A
Temperate Protection	Yes
OverCurrent Protection	Yes
OverDischarge Protection	Yes
Max Charging Current	250A



We bring power to you!

Storing your Battery

We strongly suggest your batteries are stored at room temperature, charged to about 30% to 50% of capacity. We recommend that batteries be charged once every three months to prevent over-discharge.

Battery Performance

Because Lithium Iron Phosphate batteries utilise a chemical reaction, battery performance will deteriorate over time even if stored for long periods of time without being regularly used.

In addition, if the various usage conditions, such as charge, discharge, ambient temperature, etc., are not maintained within the specified ranges, the life expectancy of the battery may be shortened, or the device in which the battery is used may be damaged by electrolyte leakage.

If the batteries cannot maintain a charge for long periods of time, even when they are charged correctly, this may indicate it is time to change the battery.

Battery Monitoring

You can effectively monitor its state of charge (SOC) using two reliable methods:

- ❑ **Battery Shunt:** This is a hardware device installed in line with the battery cables. It measures current flow and calculates the remaining capacity based on the charged and discharged amp-hours. Shunts are a simple and accurate way to track SOC.
- ❑ **Battery Monitor:** This is a dedicated display unit that provides a user-friendly interface to view various battery parameters like SOC, voltage, current, temperature, and cycle count. Battery monitors offer a more comprehensive overview of the battery's health.

Battery Series and Parallel Mode

All 12V batteries can be connected either four (4) in series OR sixteen (16) in parallel.

Charging

Your battery should be charged using a lithium iron phosphate battery charger.

Bulk Charge: 14.2V - 14.4V

Float Charge: 13.5V - 13.8V

Charging Current: up to 250A

Temperature Considerations

- ❑ **Charging:** This battery does not contain an internal heating element for low-temperature operation. To ensure optimal battery health and lifespan, avoid charging the battery below 0°C.
- ❑ **Discharging:** The NKON Leisure Pro battery performs well in cold environments, with a discharge temperature range down to -20°C.

Battery Safety

- ❑ Do not disassemble your battery.
- ❑ Do not short the battery.
- ❑ Do not store your batteries in direct sunlight.
- ❑ Store the battery in a cool and well-ventilated area.
- ❑ Keep batteries away from flammable objects and materials.
- ❑ Never leave a battery unattended whilst charging.
- ❑ Keep batteries away from static electric charges.
- ❑ Keep out of the reach of animals and children.
- ❑ Do not immerse your battery in water.
- ❑ Do not crush, incinerate, or modify your battery.
- ❑ Only use batteries within the manufacturer's specifications.

Recycle your batteries correctly.

Battery Warranty

- ❑ NKON offers a 2-year warranty on all NKON Leisure Pro batteries.
- ❑ Warranties only apply to the original owner and are non-transferable.
- ❑ NKON will verify your purchase prior to processing any warranty claims or returns.
- ❑ Please contact us at cs@nkon.nl as soon as you encounter any issues.
- ❑ Our warranty does not cover items that have been damaged due to gross negligence, normal wear and tear, damage due to accident or collision, abuse, or incorrect installation.