



NORD EcoStorage

High voltage LiFePO₄ battery



NORD EcoStorage LiFePO₄ battery with long life cycles ►



SAFETY

- ⌚ Software and hardware redundancy design
- ⌚ Test: EMC, high and low-temperature aging, salt spray operation vibration and other environmental



ENVIRONMENT

- ⌚ No toxic heavy metals
- ⌚ No caustic materials



LONG LIFESPAN

Over 6000 cycles lifespan and maximum safety performance with LiFePO₄ technologies.



WARRANTY 10 YEARS

The long experience of the manufacturer and the proven field usage of NORD EcoStorage batteries allow exceptional long warranty times.



REMOTE UPDATE

Easy service maintenance by remote access and upgradeability through EcoMaster devices. Make commissioning simpler than ever.



ACCURATE

- ⌚ Online estimation of high-precision capacity power management
- ⌚ Historical data recording



REAL-TIME

- ⌚ Real-time accurate SOC calculation
- ⌚ Real-time operational data monitoring



DEGREE OF PROTECTION

Degree of protection IP65 for indoor and outdoor use.



MODULAR CAPACITY

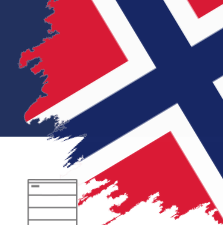
Scalable up to 47,9 kWh.



COMPATIBLE TECHNICAL SOLUTION

NORD EcoMaster and NORD EcoStorage solution come from one manufacturer. The highest possible grade of compatibility is insured.





TECHNICAL DATA

Configuration options of NORD EcoStorage



NORD EcoStore 2.5

EcoStorage 10.0

EcoStorage 12.5

EcoStorage 15.0

EcoStorage 17.5

EcoStorage 20.0

EcoStorage 22.5

	4	5	6	7	8	9
Number of modules	4	5	6	7	8	9
Nominal capacity [kWh]	10.2	12.8	15.3	17.9	20.4	23
Usable energy (90%DOD) ^[1] [kWh]	9.2	11.5	13.8	16.1	18.4	20.7
Nominal voltage [V]	204.8	256	307.2	358.4	409.6	460.8
Operating voltage range [V]	180-232	225-290	270-349	315-406	360-465	405-522
Recommended charge / discharge current ^[2] [A]	30	30	30	30	30	30
Max. charge / discharge current ^[2] [A]	45	45	45	45	45	45
Nominal power ^[3] [kW]	6.1	7.6	9.2	10.7	12.2	13.8
Max. power ^[3] [kW]	9.2	11.5	13.8	16.1	18.4	20.7
Depth of discharge [%]	90	90	90	90	90	90
Communication interface	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN
Dimensions (LxWxH) [mm]	510×365×773	510×365×910	510×365×1048	510×365×1185	510×365×1323	510×365×1460
Weight [kg]	122	150	178	206	234	262

TECHNICAL DATA

Configuration options of NORD EcoStorage



NORD EcoStore 3.6

EcoStorage 14.4

EcoStorage 18.0

EcoStorage 21.6

EcoStorage 25.2

EcoStorage 28.8

EcoStorage 32.4

	4	5	6	7	8	9
Number of modules	4	5	6	7	8	9
Nominal capacity [kWh]	14.7	18.4	22.1	25.8	29.4	33.1
Usable energy (90%DOD) ^[1] [kWh]	13.2	16.5	19.8	23.2	26.4	29.7
Nominal voltage [V]	204.8	256	307.2	358.4	409.6	460.8
Operating voltage range [V]	180-232	225-290	270-349	315-406	360-465	405-522
Recommended charge / discharge current ^[2] [A]	35	35	35	35	35	35
Max. charge / discharge current ^[2] [A]	50	50	50	50	50	50
Nominal power ^[3] [kW]	7.1	8.9	10.7	12.5	14.3	16.1
Max. power ^[3] [kW]	10.2	12.8	15.3	17.9	20.4	23.0
Depth of discharge [%]	90	90	90	90	90	90
Communication interface	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN
Dimensions (LxWxH) [mm]	510×365×783	510×365×920	510×365×1058	510×365×1195	510×365×1333	510×365×1470
Weight [kg]	144	177.5	211	244.5	278	311.5

BMS

Model	ES BMS 2.5 / 3.6
Dimensions (LxWxH) [mm] / Weight [kg]	510×365×157 / 10

BATTERY MODULE

Battery model	ES Batt 2.5 / ES Batt 3.6
Battery type	Li-ion (LFP)
Battery module [kWh]	2.5 / 3.6
Dimensions (LxWxH) [mm]	510×365×152
Weight [kg]	28 / 33.5

SERIES BOX

Dimensions (LxWxH) [mm] / Weight [kg]	510×365×152 / 8.8
---------------------------------------	-------------------

GENERAL SPECIFICATION

Charge / discharge temperature range [°C]	0 to 53 (charge) / -20 to 53 (discharge) / -30 to 53 (charge/discharge)(build-in heating function)
Environment	Outdoor / indoor (*please refer to the user manual for installation condition)
Protection degree	IP65
Relative humidity	5-95%RH (non-condensing)

STANDARD AND CERTIFICATION

Certification	IEC62619, IEC60730, IEC62040, CE, EN38.3
---------------	--

[1] Test conditions: 90% DOD, 0,2C charger and discharger +25 °C

[2] Max. charge / discharge current may be variant with different inverter models

[3] Recommend / Max. charging / Discharging current / Nominal / Max. power