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NORD EcoStorage

High voltage $LiFePO_4$ battery

NORD EcoStorage $LiFePO_4$ 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 perfomance with $LiFePO_4$ 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 maintance by remote access and upgradebility through EcoMaster devices. Make commissioning simplier then ever.

ACCURATE

- Online estimation of high-precision capacity power managment
- 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 33,1 kWh.

COMPATIBLE TECHNICAL SOLUTION

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

CE

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TECHNICAL DATA

Configuration options of NORD EcoStorage



NORD EcoStore 2.5	7.5	10.0	12.5	15.0	17.5	20.0	22.5
Number of modules	3	4	5	6	7	8	9
Nominal capacity [kWh]	7.6	10.2	12.8	15.3	17.9	20.4	23
Usable energy (90%DOD)[1] [kWh]	6.9	9.2	11.5	13.8	16.1	18.4	20.7
Nominal voltage [V]	153.6	204.8	256	307.2	358.4	409.6	460.8
Operating voltage range [V]	135-174	180-232	225-290	270-349	315-406	360-465	405-522
Recomm. charge / discharge current[3][A]	30	30	30	30	30	30	30
Max. charge / discharge current[2] [3] [A]	45	45	45	45	45	45	45
Nominal power[3] [kW]	4.6	6.1	7.6	9.2	10.7	12.2	13.8
Max. power[3] [kW]	6.9	9.2	11.5	13.8	16.1	18.4	20.7
Depth of discharge [%]	90	90	90	90	90	90	90
Communication interface	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN
Dimensions (LxWxH) [mm]	510×365×659.5	510×365×797	510×365×934.5	510×365×1072	510×365×1209.5	510×365×1347	510×365×1484.5
Weight [kg]	94	122	150	178	206	234	262

TECHNICAL DATA

Configuration options of NORD EcoStorage



NORD EcoStore 3.6	10.8	14.4	18.0	21.6	25.2	28.8	32.4
Number of modules	3	4	5	6	7	8	9
Nominal capacity [kWh]	11.0	14.7	18.4	22.1	25.8	29.4	33.1
Usable energy (90%DOD)[1] [kWh]	9.9	13.2	16.5	19.8	23.2	26.4	29.7
Nominal voltage [V]	153.6	204.8	256	307.2	358.4	409.6	460.8
Operating voltage range [V]	135-174	180-232	225-290	270-349	315-406	360-465	405-522
Recomm. charge / discharge current[3][A]	35	35	35	35	35	35	35
Max. charge / discharge current[2] [3] [A]	50	50	50	50	50	50	50
Nominal power[3] [kW]	5.3	7.1	8.9	10.7	12.5	14.3	16.1
Max. power[3] [kW]	7.6	10.2	12.8	15.3	17.9	20.4	23.0
Depth of discharge [%]	90	90	90	90	90	90	90
Communication interface	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN	RS485. CAN
Dimensions (LxWxH) [mm]	510×365×659.5	510×365×797	510×365×934.5	510×365×1072	510×365×1209.5	510×365×1347	510×365×1484.5
Weight [kg]	110.5	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