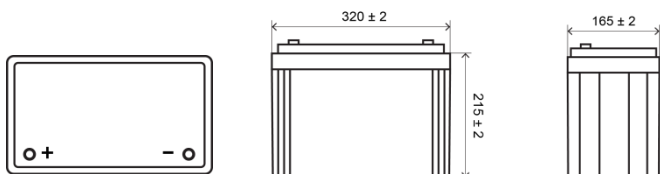


NERBO[®] LITHIUM

N-LFP 100-12-BL 1280 Wh LITHIUM DEEP CYCLE BATTERY COMMUNICATION



PARAMETERS

| NOMINAL VOLTAGE | NOMINAL CAPACITY | NOMINAL ENERGY | WEIGHT | TECHNOLOGY | DESIGNED LIFE | INTERNAL RESISTANCE | TERMINAL TYPE |
|-----------------|------------------|----------------|--------|------------|---------------|---------------------|---------------|
|-----------------|------------------|----------------|--------|------------|---------------|---------------------|---------------|

| | | | | | | | |
|--------|-------|---------|---------|---|--|---------|---|
| 12,8 V | 100Ah | 1280 Wh | 12,3 kg | LiFePO ₄ with BMS (electronic management system) | 2000 cycles with DOD 100%, 3000 cycles with DOD 80% | ≤ 20 mΩ | M8 internal thread (tightening torque 10 ÷ 12 Nm) |
|--------|-------|---------|---------|---|--|---------|---|

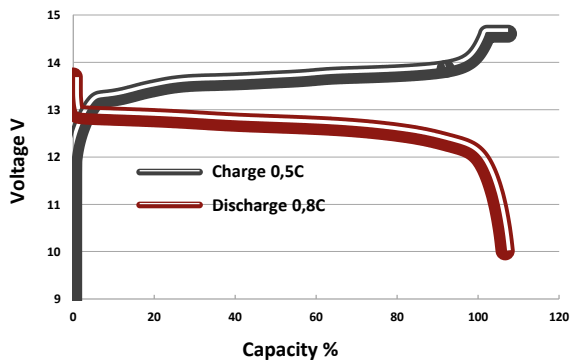
| MAXIMUM CONTINUOUS DISCHARGE CURRENT | MAXIMUM PULSE DISCHARGE CURRENT | END-OF-DISCHARGE VOLTAGE | CHARGING CURRENT | MAXIMUM CHARGING CURRENT | CHARGING VOLTAGE | CHARGING VOLTAGE FOR STAND-BY OPERATION | SELF DISCHARGE |
|--------------------------------------|---------------------------------|--------------------------|------------------|--------------------------|------------------|---|----------------|
|--------------------------------------|---------------------------------|--------------------------|------------------|--------------------------|------------------|---|----------------|

| | | | | | | | |
|-------|----------------|-------|-------|-------------|--------|--------|--------------------------------------|
| 100 A | 300 A (3 sek.) | 9.6 V | ≤ 50A | 80 A (25°C) | 14,6 V | 13,8 V | average 3% capacity per month (25°C) |
|-------|----------------|-------|-------|-------------|--------|--------|--------------------------------------|

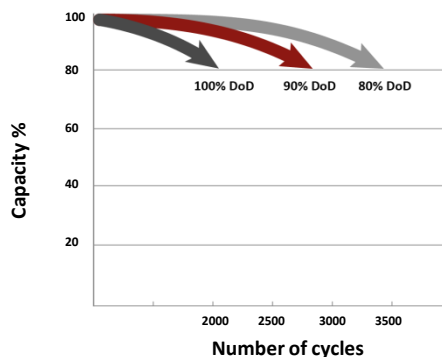
| DIMENSIONS | | | OPERATING TEMPERATURE RANGE | | |
|------------|--------|--------|-----------------------------|-------------|---------------|
| LENGTH | WIDTH | HEIGHT | DISCHARGE | CHARGE | STORAGE |
| 320 mm | 165 mm | 215 mm | -20°C ~ +60°C | 0°C ~ +45°C | -20°C ~ +35°C |

CHARACTERISTICS

Charging / Discharging at 25°C



Cyclic life as a function of Depth-Of-Discharge (DoD):



The battery has a built-in communication module that connects to an external application. The application shows, among others, SOC battery charge status, V voltage, Ah capacity and other operating parameters.