



3LION SYSTEM

DATA SHEET
Model: 3L-150-P



MAIN FEATURES

- FAST CHARGING, UP TO 75A FOR EACH HOUR OF TRAVEL
- LONG LIFETIME, OVER 2500 CYCLES
- VERY HIGH POWER DENSITY AND ENERGY
- WEIGHT -60% THAN A TRADITIONAL BATTERY
- SUPER SECURE AND RELIABLE
- EXEMPT FROM SULFATION AND MAINTENANCE
- LOW DISCHARGE (LESS THEN 3%/MONTH)

3LION SYSTEM" INCLUDES

- 3LION - LIFEPO4 - BATTERY WITH INTEGRATED BMS
- 3LINK - ADVANCED BMS MANAGER
- DISPLAY - CONTROL THE WHOLE 3LION SYSTEM

PROTECTIONS

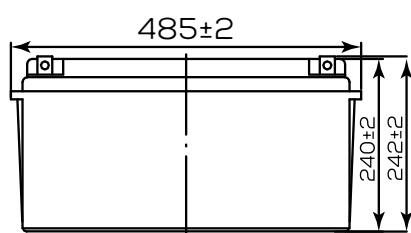
- OVER CHARGE PROTECTION
- OVER DISCHARGE PROTECTION
- OVERCURRENT PROTECTION
- SHORT CURRENT PROTECTION
- TEMPERATURE PROTECTION

This technical data sheet is indicative. NDS Energy reserves the right to make changes at any time, without notice, for technical or commercial reasons to the illustrated articles.

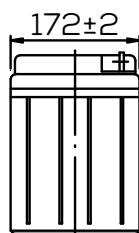
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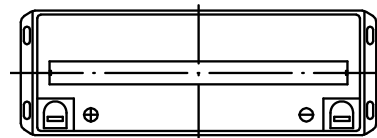
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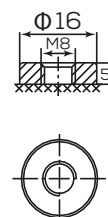
SIDE 1



SIDE 2



SUPERIOR



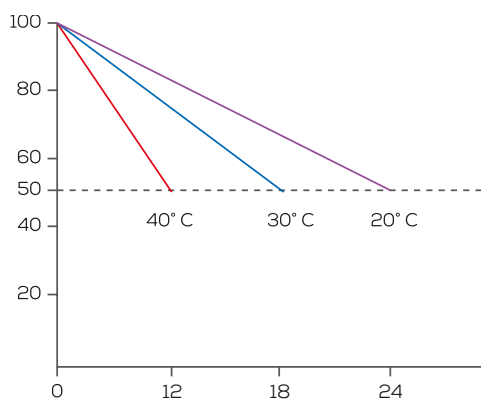
**TERMINAL
F12**

BATTERY DATA

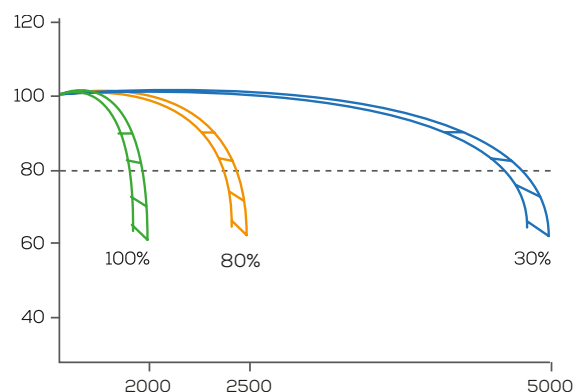
MODEL	L-150-P
NOMINAL VOLTAGE	12,8V DC
CAPACITY AT 25°C	150AH
NOMINAL ENERGY AT 25°C	1920WH
NUMBER OF CELLS	4
CHEMISTRY	LiFePO ₄
MAXIMUM DISCHARGE CURRENT (RACCOMANDED)	150A
MAXIMUM DISCHARGE CURRENT (SUPPORTED)	300A/10 SECONDI
END DISCHARGE VOLTAGE	10V±0.1V
MAXIMUM CHARGING CURRENT (RACCOMANDED)	75A/0.5C
MAXIMUM CHARGING CURRENT (SUPPORTED)	150A/1C
END CHARGING VOLTAGE	14.4V±0.2V
ESTIMATED CYCLE NUMBER 80% DOD	2500*
WORKING TEMPERATURE (DISCHARGE)	-20°C/+60°C
WORKING TEMPERATURE (CHARGE)	0°C/+45°C
STORAGE TEMPERATURE	0°C/+40°C
TERMINAL CONNECTION	F12
WEIGHT (BATTERY ONLY)	20,2 KG (44,54 LBS)
SIZE (ONLY BATTERY)	485X172H240 MM
SIZE (BATTERY+PACKAGING)	525X210H280 MM

* THE NUMBER OF CYCLES IS PURELY INDICATIVE, IT DEPENDS ON VARIOUS FACTORS, SUCH AS: ENVIRONMENTAL CONDITIONS, DISCHARGE DEPTH, CHARGE/DISCHARGE CURRENT, ETC...

SELF DISCHARGE



**CYCLE LIFE RELATED TO
THE DEPTH DISCHARGE**

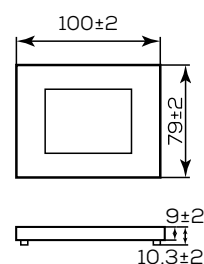
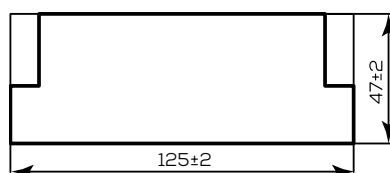
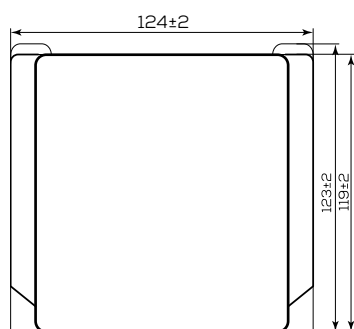


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3LINK DATA

WORKING VOLTAGE	12V (9V-18V)
AVERAGE CONSUMPTION	3 mA @ 12V @ WORKING DEVICE 1 mA @ 12V @ STAND-BY DEVICE
MAXIMUM SUPPORTED CURRENT	200A
WORKING TEMPERATURE	-20°C/+65°C
MAXIMUM CURRENT, AUX EXIT	30 mA
CURRENT RANGE	-200A/+200A ±10%
TOLERANCE VOLTAGE BATT. ENGINE, BATT. 3LION	±5%
SIZE	125X123X47 mm
WEIGHT	480G

DISPLAY DATA

TECHNOLOGY	TFT 2,83" 262K COLORS WITH TOUCH SCREEN
AVERAGE CONSUMPTION	76 mA @ 12V MAXIMUM BRIGHTNESS 7 mA @ 12V STAND-BY
CONNECTION TYPE	7M CABLE WITH LOW-PROFILE CONNECTOR
WORKING TEMPERATURE	-10°C/+70°C
SIZE	100X79X11 mm
WEIGHT	55G

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