

# LFP CHEMISTRY LITHIUM BATTERY

## DATA SHEET

# NE2W5130BL

WARRANTY

# 36

 MONTHS

### GENERAL CHARACTERISTICS

Nominal Voltage (V)	51.2
Capacity (Ah)	30
No. of cell in series	16
No. of cell in parallel	5
Total No. of cell	80
Cell Type	Cylindrical
Chemistry	LFP

### ELECTRICAL CHARACTERISTICS

Maximum cut-off voltage (V)	58.4
Minimum cut-off voltage (V)	44.8
Charging Voltage (V)	58.4
Charging Mode	CC-CV
Recommended charging current (A)	10.0
Maximum charging current (A)	15.0
Maximum Continuous discharging current (A)	30.0
Peak discharging current (A)	40.0@10Sec
Cell over voltage Protection	3.65
Cell over voltage release	3.55
Cell under voltage Protection	2.8
Cell under voltage release	2.9
Cycle Life@ 25°C	1500
DOD Level (%)	90%

### PROTECTIONS

Cell under voltage protection	Yes
Cell over voltage Protection	Yes
Over Current Protection	Yes
Short circuit protection	Yes
Temperature protection	Yes

**TEMPERATURE CHARACTERISTICS**

Working Temperature (°C)	0°C - 55°C
Storage Temperature (°C)	0°C - 45°C

**OTHERS**

Dimension (LXWXH)	230 x 184 x 263 (mm)
Weight (kg)	15 (Approx)
Power Connector (Charging/Discharging)	SB75x For charging and Discharging

**WARNINGS**

During their use, the batteries should be kept away from heat sources and high voltages.

Do not dismantle or assemble the batteries by yourself.

Do not heat and burn of the batteries and throw them in fire.

Damping of the battery is prohibited.

Avoid charging battery near a fire source or in direct sunlight.

The battery should not be damaged by means of methods like knocking metallic things into the battery, hammering the battery, knocking it violent or etc.

Welding is not allowed to be conducted on the battery.

Do not directly contact with the leaking battery.

**NEURON ENERGY (P) LTD.**

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