

LFP
CHEMISTRY
LITHIUM
BATTERY

DATA SHEET

NE 2W 7342BL

73.6V **42AH**

 WARRANTY
36
 MONTHS

GENERAL CHARACTERISTICS

Nominal Voltage (V)	73.6
Capacity (Ah)	42
No. of cell in series	23
No. of cell in parallel	7
Total No. of cell	161
Cell Type	Cylindrical-32700 (6Ah)
Chemistry	LFP

ELECTRICAL CHARACTERISTICS

Maximum cut-off voltage (V)	83.95
Minimum cut-off voltage (V)	64.4
Charging Voltage (V)	84.0
Charging Mode	CC-CV
Recommended charging current (A)	12
Maximum charging current (A)	20A
Recommended discharging current (A)	42
Maximum Discharging current (A)	50 @ 15sec
Cell Discharging Protection level (V)	2.8
Cell charging protection level (V)	3.65
Balancing current (mA)	50
Cycle Life	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 – 65°C
Storage Temperature (°C)	0°C - 45°C

OTHERS

Dimension (mm)(LxWxH)	460 × 265 × 160mm
Weight (Kg)	28 Approx.
Power Connector	SB-120 on side
IP Rating	IP66
Communication	UART/ Bluetooth

SAFETY AND 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

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