

3LI

HV-LT

DATASHEETS



3LITHIUM®

3LITHIUM AND ITS LOGOTYPES ARE REGISTERED TRADEMARKS - ALL RIGHTS RESERVED

3LITHIUM HV-LT

DESCRIPTION	LITHIUM ION BATTERY
NOMINAL VOLTAGE	14,8v
MAXIMUM VOLTAGE	16,8v
MINIMUM VOLTAGE (CUTOFF BMS)	12v
RATED CAPACITY	51,8Wh
AMPERE CAPACITY	3,5A
MAX. CONTINUOUS DISCHARGE	5A
MAX LOAD	1A
CELL TYPE	LITHIUM ION
MANUFACTURER LITHIUM ION CELL	LG o SAMSUNG
ELECTRONIC BATTERY CONTROL	YES, BMS
SHORT CIRCUIT PROTECTION	YES
OVERCHARGE PROTECTION	YES
DEEP DISCHARGE PROTECTION	YES
OVER CURRENT PROTECTION	YES
SMART CELL BALANCING	YES

DIMENSIONES Y PESO

LENGTH	109mm
WIDTH	45mm
HEIGHT	45mm
ESTIMATED WEIGHT	289g



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CYCLING

MAX LOAD	1C
LOAD TYPE	CC-CV
LOADING TEMPERATURE	0-45°C
UNLOADING TEMPERATURE	-10-65°C
STORAGE TEMPERATURE	25°C
RELATIVE CAPACITY -10°C	40%
RELATIVE CAPACITY 0°C	60%
RELATIVE CAPACITY 23°C	100%
RELATIVE CAPACITY 45°C	100%
GUARANTEED CYCLES	500
CAPACITY AFTER 500 CYCLES	80% UP TO. 4.000 CYCLES 60%

CONSTRUCTION

ASSEMBLY	NICKEL 99,7% PURITY
MAIN BUSBAR	COPPER 99,9% PURITY
LEAD CONTENT	>0,001%
PACKAGING	DOUBLE INNER ALUMINUM PANEL POLYETHYLENE
EXT. HOUSING	HIGH IMPACT POLYSTYRENE
WIRING	MULTIFILAMENT SILICONE UP TO 200°C
EXT. PROTECTION	IP63



SAFETY WARNINGS



- Do not expose the battery to direct sunlight or temperatures above 65°C.
- Do not use the battery if you notice deformations or excessive heating +65°C.
- Use only the charger indicated for this type of battery.
- Do not strike or release abruptly on a hard surface.
- Do not immerse the battery in water or any other type of liquid.
- In case of anomaly, contact the manufacturer for instructions.

DISPOSE OF LITHIUM BATTERIES AT AN APPROPRIATE RECYCLING CENTER.

