

# 3LI

## *TR36100*

DATASHEETS



## *3LITHIUM®*

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

## 3LITHIUM TR36100

### DESCRIPTION

### LITHIUM ION BATTERY

NOMINAL VOLTAGE	37v
MAXIMUM VOLTAGE	42v
MINIMUM VOLTAGE (CUTOFF BMS)	30 v
RATED CAPACITY	3700Wh
AMPERE CAPACITY	100A
MAX. CONTINUOUS DISCHARGE	60A
MAX LOAD	20A
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	340mm
WIDTH	220mm
HEIGHT	180mm
ESTIMATED WEIGHT	17130g



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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.

