

RES



RES 5.1

Cod. 3024273

CELL	Li-Ion
CHEMISTRY	LFP
MECHANICAL CHARACTERISTICS	
DIMENSIONS LxWxH (mm)	560 x 406 x 143
WEIGHT (Kg)	48
BATTERY TRAY COLOUR	RAL 9010
LID COLOUR	RAL 9010

ELECTRICAL CHARACTERISTICS	
NOMINAL VOLTAGE (V)	51,2
MAXIMUM VOLTAGE (V)	57,6
MINIMUM VOLTAGE (V)	44,8
CAPACITY (Ah)	100
ENERGY (Wh)	5120
NOM. DISCHARGE CURRENT (A)	50
MAX. DISCHARGE CURRENT (A)	100
NOM. CHARGE CURRENT (A)	50
MAX. CHARGE CURRENT (A)	100

OPERATING CONDITIONS	
OPERATING TEMPERATURE (°C)	-20°C/55°C
CHARGING TEMPERATURE (°C)	0°C/45°C
STORAGE TEMPERATURE (°C)	-10°C/35°C
MAX. HUMIDITY (no condensation)	95%
MAXIMUM ALTITUDE (m)	2000
CYCLES @ 80%DoD, 25°C, 70% residual capacity	6000
CALENDAR LIFE (Years)	10
IP RATING	21

COMPLIANCE:	
QUALITY STANDARDS	UNI EN ISO 9001:2008
DIRECTIVES	2014/30/EU, 2011/65/CE, 2006/66/CE
CERTIFICATIONS	IEC 62619:2017 UN 38.3 RoHS
EMC	EN 61000-6-2 EN 61000 6-3



ELECTRICAL CONNECTIONS	
ELECTRICAL POWER CONNECTION	M8 SCREW
PARALLEL CONN.	4

SIGNAL CONNECTION	
CANBUS PROTOCOL	MIDAC
CANBUS SPEED	500 kbps