



LITE BLOX

high performance accumulator
- LiFePO4 / 13,2VDC / 512Wh -



Abbildung ähnlich

version: 1.0

date: 24. 02. 2022



specifications

	value	annotation
height [mm]	190	±1mm
width [mm]	175	±1mm
length [mm]	277 (LN3) / 314 (LN4)	±1mm
weight [g]	70XX	± 2%
voltage (nominal) [V]	12,8	
voltage discharge / charge (maximum) [V]	10,5 / 15,2	
voltage (end of charge) [V]	14,4	
current charging (recommended) [A]	7 / 20	charger LB100 / LB300
current charging (max) [A]	<160	
current discharging (continuous) [A]	<150	
current discharge (10s pulse) [A]	800	
capacity (nom / Pb-eq) [Ah]	40 / 50 - 125	
cell chemistry	LiFePO4	
cell type	ANR26650M1-B	
cell configuration	4s16p	
total battery pack impedance [mOhm]	1,5	
protection class	IP65	
temperature range for use [°C]	(- 20C) – (+ 80C)	
temperature range storage [°C]	(0C) – (+ 55C)	

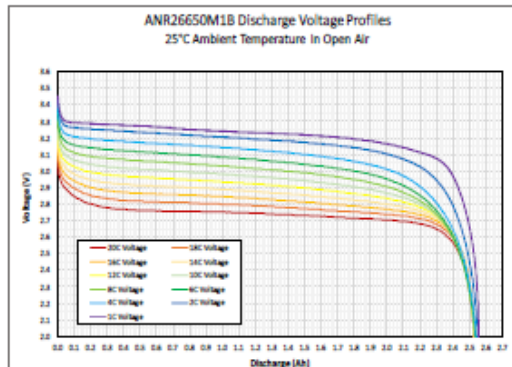
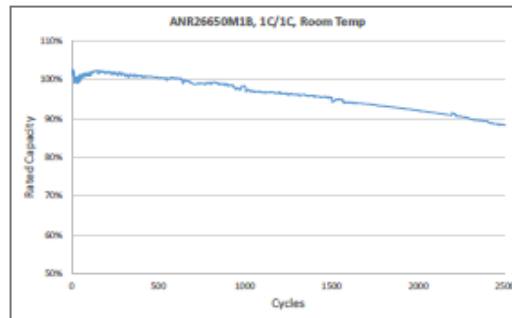
functions

function	Description
BMS	our technology leading battery management system provides free adjustment for all relevant battery thresholds to make sure that the battery pack is being used within its intended working space
telemetry	connection between the battery and an external device (tablet, PC, smartphone) via integrated Bluetooth interface (BLE) for monitoring, field data evaluation, firmware updates or threshold setup changes. Battery data will be sent to our data server for optimized remote service of all products in the field
protection	when leaving the intended operation limits (current, voltage, temperature...), the BMS warns (yellow flag scenario) or disconnects (red flag scenario) instantly



cell overview

Nominal Ratings	
Voltage	3.3 V
Capacity @ 25 °C Typ (Min)	2.6 Ah (2.5)
Energy @ 25 °C	8.25 Wh
Specific Power @ 25 °C, 2 sec pulse	> 4000 W/kg
Impedance (1KHz AC) Typ	6 mΩ
Cycle Life at 1C/1C, 100% DOD	> 4000 cycles
Discharging	
Max Continuous Discharge Current	50 A
Max Pulse Discharge Current (10s)	120 A
Minimum Voltage / HPPC Pulse	2 V / 1.6 V
Temperature	-30 °C to 55 °C
Charging	
Recommended Charge Current	3 A
Max Continuous Charge Current	10 A
Max Pulse Charge Current (10s)	20 A
Float Voltage	3.45 V
Recommended charge V & Cut-off Current	3.6 V, taper to 125mA
Temperature Range (reduce charging current to 250mA when under 0 °C)	0 °C to 55 °C
Storage	
Storage Temperature	-40 °C to 60 °C
Mechanical	
Diameter	Ø25.96 +/- 0.5 mm
Length	65.15 +/- 0.5 mm
Mass	76 g +/- 1.0 g
Certifications	
Transportation	UN 3480 (UN38.3), CIQ
Safety	UL 1642, IEC 62133-2
Transportation	
Shipping	Via Air @ 30% SOC Via Sea @ 50% SOC
Part Number 300732-006	



Abuse

Nail penetration	Pass - EUCAR4
Over-Discharge	Pass - EUCAR3
Thermal Stability	Pass - EUCAR4
External Short	Pass - EUCAR3
Crush	Pass - EUCAR3
Overcharge	Pass - EUCAR2
Vent Open Pressure	1.0 - 2.0 MPa

LITEBLOX App for download:



