



# LITE BLOX

high performance accumulator  
- LiFePO4 / 12,8VDC / 1024Wh -



Abbildung ähnlich

version: 1.3

date: 28. 11. 2023



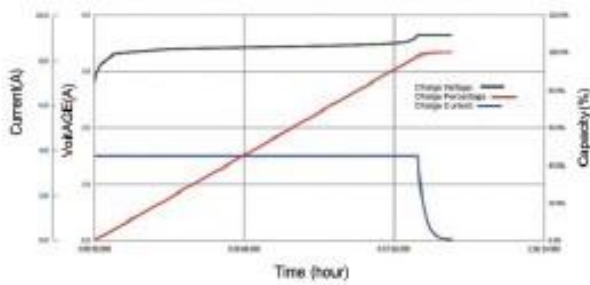
## specifications

	<b>value</b>	<b>annotation</b>
height [mm]	195	±1mm
width [mm]	175	±1mm
length [mm]	278	±1mm
weight [g]	84XX	± 1%
voltage (nominal) [V]	12,8	
voltage discharge / charge (maximum) [V]	10 / 14,4	
voltage (end of charge) [V]	14,4	
current charging (recommended) [A]	7 / 20	charger LB100 / LB300
current charging (max @ 0 - 45°C) [A]	80	
current charging (max @ -10°C) [A]	16	
current charging (max @ -20°C) [A]	8	
capacity (nom / Pb-eq) [Ah]	80 / 100 - 150	
cell chemistry	LiFePO4	
cell type	HDCF	
cell configuration	4s20p	
total cell pack impedance [mOhm]	4	
protection class	IP65	
temperature range for usage regarding charge limitation [°C]	(-25°C) – (+ 65°C)	
BMS with protection inside	over-/undervoltage, over-/undertemperature, dis-/charge current, shortcircuit	
Communication	Bluetooth, RS 485	

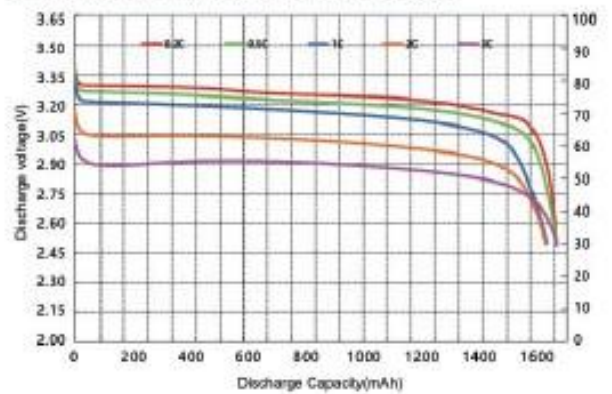


# cell overview

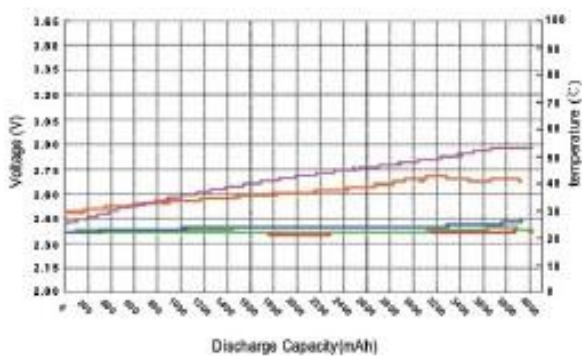
## Charge Characteristics Curve



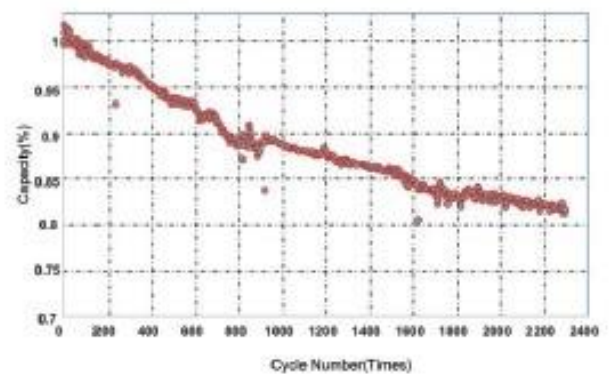
## Discharge Curves at Different Rate



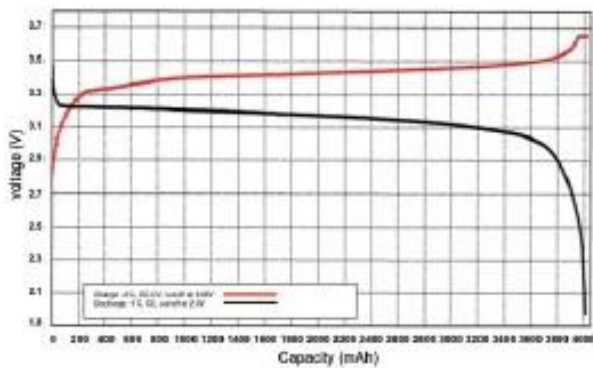
## Discharge Curves at Different Temperatures



## Cycle Curve



## Charge & Discharge Curve



## Self Discharge Curve

