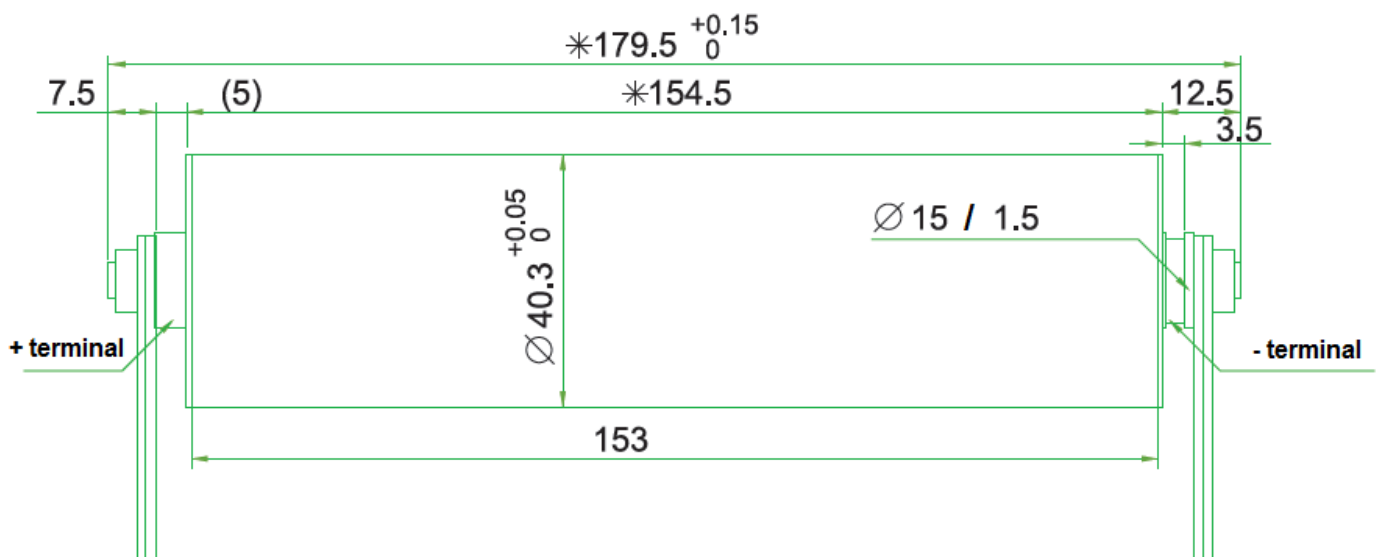


LFC 015Ah cell specification

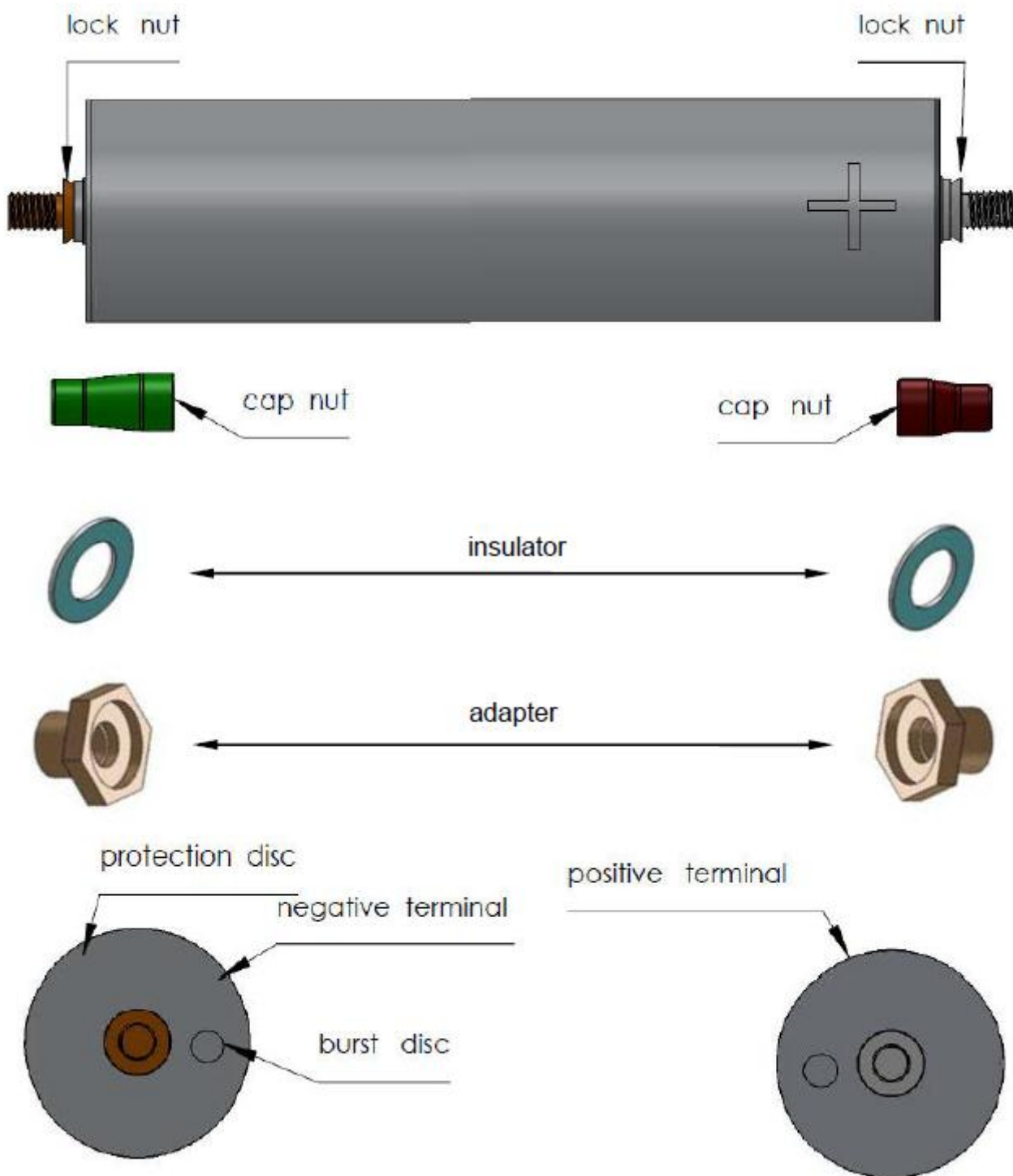


Model name	LFC015AHA	GWL/Power cylindrical cell
Nominal voltage	3.2 V	Operating voltage under load is 3.0 V
Nominal Capacity	15 AH	+/- 5%
Minimum capacity	at 1C	14.5 AH
Operating voltage	max 3.65V - min 2.5V	At 80% DOD
Deep discharge voltage	2.5 V	The cells is damaged if voltage drops below this level
Maximal charge voltage	3.65 V	The cells is damaged if voltage exceeds this level
Optimal discharge current	15 A	1 C
Maximal discharge current	< 45A	3 C, continuous for max 5 minutes from full charge
Max pulse discharge current	< 225 A	15 C, maximal 5 seconds in 1 minute
Optimal charge current	< 7,5A	0.5 C
Continuous charge current	< 15A	< 1 C with battery temperature monitoring
Maximum charge current	< 45A	3 C, only once every two cycles
Maximal continuous operating temperature	< 55 °C	The battery temperature should not increase this level during charge and discharge
AC Impedance	(50%SOC/20°C/1kHz)	≤3mΩ
DC Resistance	(ESR)	≤4.5mΩ
Specific energy	at 1C	110.7Wh/kg
Energy density	at 1C	238.5Wh/L
Specific power	10C disch. /100% SOC	925W/kg
Power density	10C disch./ 100% SOC	2000W/L
Cycle life	20°C and 100% DOD	> 1000 cycles to 80% nominal capacity
Recommended charge method	Constant current	Constant voltage
End of charge	I≤0.02C	
Dimensions (d x h)	40 x 180 mm	155mm without terminals (tolerance +/- 1 mm)
Specification of Pos. terminal	Al M6	L: 12.5mm
Specification of Neg. terminal	Cu M6	L: 12.5mm
Case material	Aluminum Alloy	
Weight	0,42 kg	(tolerance +/- 1g)

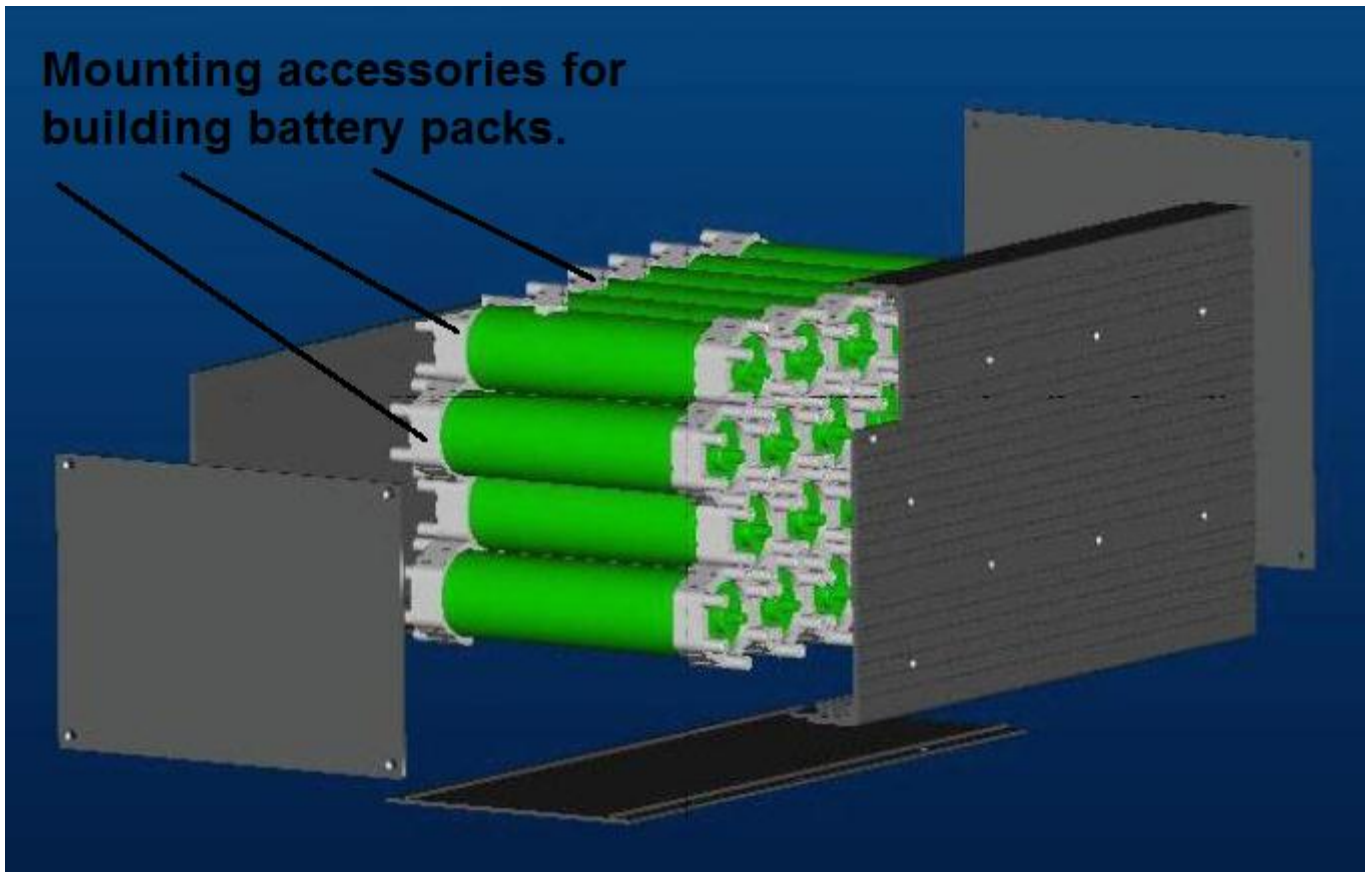


Mounting accessories must be purchased for each cell:

Product description



Mounting accessories for building battery packs.



Discharge characteristic:

www.LogView.info | Date: 10.5.2012 | Time: 16:48:07 | GWL LFC 3,2V 150h -discharge-35A

