

nothnagel-marine, elektromechanik

GBS-LF12V20AH battery specification

Model name	LP12V20AHB	Alternative product marking LP12V-20AH
Nominal voltage	12 V	Operating voltage under load is 12.0 V
Capacity	20 AH	+/- 5%
Operating voltage	max 14.8V - min 11.5V	At 80% DOD, > 1500 cycles
Deep discharge voltage	11 V	The cells are damaged if voltage drops below this level
Maximal charge voltage	15.2V	The cells are damaged if voltage exceeds this level
Optimal discharge current	< 10 A	0.5 C
Maximal discharge current	< 60 A	3 C, continuous for max 15 minutes from full charge
Max peak discharge current	< 200 A	10 C, maximal 5 seconds in 1 minute
Optimal charge current	< 10 A	0.5 C
Maximal charge current	< 20 A	< 1 C with battery temperature monitoring
Maximal continuous operating temperature	80 °C	The battery temperature should not increase this level during charge and discharge
Dimensions	178 x 165 x 75	Millimeters (tolerance +/- 2 mm)
Weight	3.25 kg	Kilograms (tolerance +/- 150g)

