

GF12022YF 12V 22Ah

1. Physical Data

Box Data

Battery			CHG cond.		Lid Colour	max length	basic length	max width	basic width	Lid height	max height	Weight
Type	V	C ₅	Series	Terminal	Box	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
GF	12	022	Y	F		166	163	175	172	125	125	9,6

Tightening Torque Values of connectors to Terminal

Flat for M5 Screw

5 ± 1Nm

2. Performance Data

Discharge rate	Capacity	End Of DCH Voltage DOD		Effective DCH Time DOD		Energy Density		Power Density	
		60%	80%	60%	80%	[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
[h]	[Ah]	[V]		[h]		[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
20,0	24,0	2,01	1,98	11,1	14,8	81,2	30,2	4,1	1,5
10,0	23,3	2,00	1,97	5,7	7,6	78,4	29,1	7,8	2,9
5,0	22,2	1,98	1,93	3,0	4,0	73,2	27,2	14,6	5,4
3,0	20,4	1,96	1,89	2,0	2,6	66,9	24,9	22,3	8,3
2,0	19,1	1,93	1,78	1,4	1,9	61,1	22,7	30,5	11,3
1,0	15,5	1,90	1,63	0,9	1,0	48,5	18,0	48,5	18,0
0,5	12,6	1,57	1,57	0,5	0,5	38,4	14,3	76,8	28,5
0,2	9,0	1,40	1,40	0,2	0,2	27,1	10,1	135,5	50,3

Typical values after 20 - 50 C₅ cycles at 30°C

recommended max. Load *) 40 A

*) With appropriate counter contacts only

Cyclic endurance according IEC 254-1 450

Temperature Regime (Depending on DOD) -20 °C up to 50 °C

Typical Operational Temperature Regime 5 °C up to 40 °C

3. Charging

Charging Profile(s) IU1a

according GNB Specification

Fast Charge Possible