

GF12094Y 12V 94Ah

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	094	Y			284	284	267	267	208	230	40

Tightening Torque Values of connectors to Terminal
conical terminal according EN 60095-2 8 ± 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	110,0	2,01	1,98	10,2	13,6	84,1	33,2	4,2	1,7
10,0	101,0	2,00	1,97	5,6	7,4	76,8	30,3	7,7	3,0
5,0	93,5	1,98	1,93	3,0	4,0	69,7	27,5	13,9	5,5
3,0	87,9	1,96	1,89	1,9	2,6	65,2	25,7	21,7	8,6
2,0	82,0	1,93	1,78	1,4	1,8	59,3	23,4	29,6	11,7
1,0	69,1	1,90	1,63	0,8	1,0	48,9	19,3	48,9	19,3
0,5	58,5	1,57	1,57	0,5	0,5	40,3	15,9	80,6	31,8
0,2	46,8	1,40	1,40	0,2	0,2	31,9	12,6	159,3	62,8

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

recommended max. Load *) 190 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