

Datasheet Gel Type VRLA Batteries

12V 51Ah

1. Physical Data

Box Data

Battery			CHG cond.	Ter- minal	Lid Colour	max length	basic length	max width	basic width	Lid height	max height	Weight
Type	V	C ₅	Series		Box	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
GF	12	051	Y			278	265	175	162	190	190	21,8
GF	12	051	Y	G		278	265	175	162	190	190	21,8

Tightening Torque Values of connectors to Terminal

conical terminal according EN 60095-2

8 ± 1Nm

Flat for M6 Screw

6 ± 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]					
20,0	56,0	2,01	1,98	10,9	14,6	76,6	31,0	3,8	1,5
10,0	53,5	2,00	1,97	5,7	7,6	72,9	29,4	7,3	2,9
5,0	51,0	1,98	1,93	3,0	4,0	68,1	27,5	13,6	5,5
3,0	45,9	1,96	1,89	2,0	2,7	60,9	24,6	20,3	8,2
2,0	41,4	1,93	1,78	1,5	2,0	53,6	21,6	26,8	10,8
1,0	34,0	1,90	1,63	0,9	1,0	43,1	17,4	43,1	17,4
0,5	27,5	1,57	1,57	0,5	0,5	33,9	13,7	67,8	27,4
0,2	20,0	1,40	1,40	0,2	0,2	24,4	9,9	121,9	49,3

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

recommended max. Load *)

100 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)

IUIa

according EXIDE Technologies Specification

Fast Charge

Possible

We reserve the right to discontinue or change specification
any time without notice or obligation