

Datasheet Gel Type VRLA Batteries

12V 51Ah

1. Physical Data

Box Data

Battery			CHG	Lid	max	basic	max	basic	Lid	max	Weight	
Type	V	C ₅	cond. Series	Ter- minal	Colour Box	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [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
GF	12	051	Y		2	278	265	175	162	190	190	21,8
GF	12	051	Y	G	3	272	272	166	162	171	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]		[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
20,0	56,0	2,01	1,98	10,9	14,6	87,5	31,0	4,4	1,5
10,0	53,5	2,00	1,97	5,7	7,6	83,1	29,4	8,3	2,9
5,0	51,0	1,98	1,93	3,0	4,0	77,7	27,5	15,5	5,5
3,0	45,9	1,96	1,89	2,0	2,7	69,6	24,6	23,2	8,2
2,0	41,4	1,93	1,78	1,5	2,0	61,1	21,6	30,6	10,8
1,0	34,0	1,90	1,63	0,9	1,0	49,1	17,4	49,1	17,4
0,5	27,5	1,57	1,57	0,5	0,5	38,7	13,7	77,4	27,4
0,2	20,0	1,40	1,40	0,2	0,2	27,8	9,9	139,1	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

Vertriebspartner:



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