

Datasheet Gel Type VRLA Batteries

GF12050V 12V 50Ah

1. Physical Data

Box Data

Battery			CHG	Ter- minal	Lid	max	basic	max	basic	Lid	max	Weight
Type	V	C ₅	cond. Series		Colour Box	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [mm]	[kg]
GF	12	050	V			278	265	175	162	190	190	19
GF	12	050	V	G		278	265	175	162	190	190	19

Tightening torque values of connectors to terminal

Anzugsdrehmoment für Polanschluss nach EN 50342-2

8 ± 1Nm

F-M6

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	55,0	2,01	1,98	10,9	14,5	75,3	34,9	3,8	1,7
10,0	53,0	2,00	1,97	5,7	7,5	72,2	33,5	7,2	3,3
5,0	50,0	1,98	1,93	3,0	4,0	66,7	30,9	13,3	6,2
3,0	45,0	1,96	1,89	2,0	2,7	59,8	27,7	19,9	9,2
2,0	41,0	1,93	1,78	1,5	2,0	53,0	24,6	26,5	12,3
1,0	33,5	1,90	1,63	0,9	1,0	42,4	19,7	42,4	19,7
0,5	27,0	1,57	1,57	0,5	0,5	33,3	15,4	66,6	30,9
0,2	20,0	1,40	1,40	0,2	0,2	24,4	11,3	121,9	56,5

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

recommended max. load *)

100A

max. empfohlene Last

*) with appropriate counter contacts only / nur bei entsprechender Gegenkontaktierung

Cyclic performance according IEC 60254-1

700

Zykluslebensdauer gemäß IEC 60254-1

Temperature range (depending on DOD)

-20 °C up to 50 °C

Arbeitsbereich (von Entladetiefe abhängig)

Typical operational temperature range

5 °C up to 40 °C

Typischer Arbeitsbereich

3. Charging / Ladetechnik

Charging profile(s) / Ladeprofil(e)

IULa

according GNB specification

Charging time / Ladezeit

10 - 14h

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

GNB
INDUSTRIAL POWER
A Division of Exide Technologies