

Datasheet Gel Type VRLA Batteries

12V 14Ah

1. Physical Data

Box Data

Battery			CHG cond.	Ter- minal	Version	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	014	Y	F		181	181	76	76	167	167	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	15,0	2,01	1,98	11,2	14,9	78,7	30,2	3,9	1,5
10,0	14,5	2,00	1,97	5,8	7,7	75,7	29,0	7,6	2,9
5,0	14,0	1,98	1,93	3,0	4,0	71,7	27,4	14,3	5,5
3,0	12,6	1,96	1,89	2,0	2,7	64,2	24,6	21,4	8,2
2,0	11,2	1,93	1,78	1,5	2,0	55,6	21,3	27,8	10,6
1,0	9,5	1,90	1,63	0,9	1,0	46,2	17,7	46,2	17,7
0,5	8,2	1,57	1,57	0,5	0,5	38,8	14,8	77,5	29,7
0,2	6,4	1,40	1,40	0,2	0,2	29,9	11,5	149,6	57,3

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

recommended max. Load *) 30 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 EXIDE Technologies Specification

Fast Charge Possible

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