

Datasheet Gel Type VRLA Batteries

6V 240Ah

1. Physical Data

Box Data

Battery			CHG		Lid	max	basic	max	basic	Lid	max	Weight
Type	V	C ₅	cond.	Ter-	Colour	length	length	width	width	height	height	[kg]
			Series	minal	Box	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
GF	06	240	V			311	296	181,1	177	336	358	48

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	270,0	2,01	1,98	10,7	14,2	90,4	33,9	4,5	1,7
10,0	255,0	2,00	1,97	5,6	7,5	84,9	31,9	8,5	3,2
5,0	240,0	1,98	1,93	3,0	4,0	78,4	29,4	15,7	5,9
3,0	216,0	1,96	1,89	2,0	2,7	70,2	26,3	23,4	8,8
2,0	191,0	1,93	1,78	1,5	2,0	60,4	22,7	30,2	11,3
1,0	143,0	1,90	1,63	1,0	1,0	44,3	16,6	44,3	16,6
0,5	111,0	1,57	1,57	0,5	0,5	33,5	12,6	66,9	25,1
0,2	82,0	1,40	1,40	0,2	0,2	24,4	9,2	122,2	45,9

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

recommended max. Load *)

480 A

*) With appropriate counter contacts only

Cyclic endurance according IEC 254-1

700

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