

# Datasheet Gel Type VRLA Batteries

## 12V 110Ah

### 1. Physical Data

#### Box Data

Battery			CHG	Lid	max	basic	max	basic	Lid	max	Weight	
Type	V	C <sub>5</sub>	cond. Series	Ter- minal	Colour Box	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [mm]	[kg]
GF	12	110	V			513	475	223	210	195	216	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	116,0	2,01	1,98	11,4	15,2	67,7	29,1	3,4	1,5
10,0	114,0	2,00	1,97	5,8	7,7	66,2	28,5	6,6	2,9
<b>5,0</b>	<b>110,0</b>	<b>1,98</b>	<b>1,93</b>	<b>3,0</b>	<b>4,0</b>	<b>62,6</b>	<b>27,0</b>	<b>12,5</b>	<b>5,4</b>
3,0	102,0	1,96	1,89	1,9	2,6	57,8	24,9	19,3	8,3
2,0	96,0	1,93	1,78	1,4	1,8	53,0	22,8	26,5	11,4
1,0	85,0	1,90	1,63	0,8	1,0	45,9	19,8	45,9	19,8
0,5	69,0	1,57	1,57	0,5	0,5	36,3	15,6	72,6	31,2
0,2	53,8	1,40	1,40	0,2	0,2	28,0	12,0	139,9	60,2

Typical values after 20 - 50 C<sub>5</sub> cycles at 30°C

recommended max. Load \*)

220 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