

# Datasheet Gel Type VRLA Batteries

## 12V 44Ah

### 1. Physical Data

#### Box Data

Battery			CHG	Ter-	Version	max	basic	max	basic	Lid	max	Weight
Type	V	C <sub>5</sub>	cond.	minial	Box	length	length	width	width	height	height	[kg]
			Series			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
GF	12	044	Y			261	253	135	133	208	230	19

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	50,0	2,01	1,98	10,6	14,1	84,9	31,7	4,2	1,6
10,0	47,5	2,00	1,97	5,6	7,4	80,2	30,0	8,0	3,0
<b>5,0</b>	<b>44,0</b>	<b>1,98</b>	<b>1,93</b>	<b>3,0</b>	<b>4,0</b>	<b>72,8</b>	<b>27,2</b>	<b>14,6</b>	<b>5,4</b>
3,0	39,0	1,96	1,89	2,0	2,7	64,2	24,0	21,4	8,0
2,0	35,6	1,93	1,78	1,5	2,0	57,1	21,4	28,6	10,7
1,0	29,9	1,90	1,63	0,9	1,0	47,0	17,6	47,0	17,6
0,5	25,7	1,57	1,57	0,5	0,5	39,3	14,7	78,6	29,4
0,2	19,6	1,40	1,40	0,2	0,2	29,6	11,1	148,2	55,4

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

recommended max. Load \*)

90 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

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