

# Datasheet Gel Type VRLA Batteries

## 12V 160Ah

### 1. Physical Data

#### Box Data

Battery			CHG cond.	Ter- minal	Lid Colour Box	max length [mm]	basic length [mm]	max width [mm]	basic width [mm]	Lid height [mm]	max height [mm]	Weight [kg]
Type	V	C <sub>5</sub>	Series									
GF	12	160	V			518	475	274	265	216	238	64

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	196,0	2,01	1,98	9,8	13,1	84,1	36,9	4,2	1,8
10,0	174,0	2,00	1,97	5,5	7,4	74,3	32,6	7,4	3,3
<b>5,0</b>	<b>160,0</b>	<b>1,98</b>	<b>1,93</b>	<b>3,0</b>	<b>4,0</b>	<b>66,9</b>	<b>29,4</b>	<b>13,4</b>	<b>5,9</b>
3,0	150,0	1,96	1,89	1,9	2,6	62,4	27,4	20,8	9,1
2,0	138,0	1,93	1,78	1,4	1,9	56,0	24,6	28,0	12,3
1,0	115,0	1,90	1,63	0,8	1,0	45,7	20,1	45,7	20,1
0,5	98,0	1,57	1,57	0,5	0,5	37,9	16,6	75,7	33,3
0,2	75,0	1,40	1,40	0,2	0,2	28,7	12,6	143,3	62,9

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

recommended max. Load \*)

320 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