

# Datasheet Gel Type VRLA Batteries

## 12V 72Ah

### 1. Physical Data

#### Box Data

Battery			CHG	Ter-	Version	max	basic	max	basic	Lid	max	Weight
Type	V	C <sub>5</sub>	cond. Series	minial	Box	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [mm]	[kg]
GF	12	072	Y			330	330	171	171	213	235,5	31

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	80,0	2,01	1,98	10,8	14,4	80,3	31,1	4,0	1,6
10,0	76,0	2,00	1,97	5,7	7,6	75,9	29,4	7,6	2,9
<b>5,0</b>	<b>72,0</b>	<b>1,98</b>	<b>1,93</b>	<b>3,0</b>	<b>4,0</b>	<b>70,4</b>	<b>27,3</b>	<b>14,1</b>	<b>5,5</b>
3,0	66,9	1,96	1,89	1,9	2,6	65,1	25,2	21,7	8,4
2,0	63,3	1,93	1,78	1,4	1,8	60,0	23,3	30,0	11,6
1,0	52,0	1,90	1,63	0,8	1,0	48,3	18,7	48,3	18,7
0,5	44,0	1,57	1,57	0,5	0,5	39,8	15,4	79,5	30,8
0,2	34,2	1,40	1,40	0,2	0,2	30,6	11,8	152,8	59,2

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

recommended max. Load \*) 140 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