

## 12V 14Ah

### 1. Physical Data

#### Box Data

Battery			CHG cond.		Lid	max	basic	max	basic	Lid	max	Weight
Type	V	C <sub>5</sub>	Series	Ter- minal	Colour Box	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [mm]	[kg]
GF	12	014	Y	F		181	181	76	76	167	167	6

Tightening Torque Values of connectors to Terminal

Flat for M5 Screw

5 ± 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	15,0	2,01	1,98	11,2	14,9	78,7	30,2	3,9	1,5
10,0	14,5	2,00	1,97	5,8	7,7	75,7	29,0	7,6	2,9
<b>5,0</b>	<b>14,0</b>	<b>1,98</b>	<b>1,93</b>	<b>3,0</b>	<b>4,0</b>	<b>71,7</b>	<b>27,4</b>	<b>14,3</b>	<b>5,5</b>
3,0	12,6	1,96	1,89	2,0	2,7	64,2	24,6	21,4	8,2
2,0	11,2	1,93	1,78	1,5	2,0	55,6	21,3	27,8	10,6
1,0	9,5	1,90	1,63	0,9	1,0	46,2	17,7	46,2	17,7
0,5	8,2	1,57	1,57	0,5	0,5	38,8	14,8	77,5	29,7
0,2	6,4	1,40	1,40	0,2	0,2	29,9	11,5	149,6	57,3

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

recommended max. Load \*)

30 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 GNB Specification

Fast Charge

Possible

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