

1. Physical Specifications

Variant	Length	Base length	Width	Base width	Lid height	Total height	Weight ±5%
GF 12 105 V	345 mm	338 mm	174 mm	165 mm	262 mm	283 mm	38,7 kg
GF 12 105 VP	345 mm	338 mm	174 mm	165 mm	262 mm	282 mm	38,7 kg

Variant	Terminal	Container Material	Bolt torque value
GF 12 105 V	Conical (DIN A, EN 60095-2)	UL 94-HB (PP)	8 ±1 Nm
GF 12 105 VP	F-M8 (Female)		12 ±1 Nm

2. Performance Data

Discharge Rate	Capacity	End of discharge voltage		Effective runtime		Energy density		Power density	
		60% DOD	80% DOD	60% DOD	80% DOD	[Wh/L]	[Wh/kg]	[W/L]	[W/kg]
[h]	[Ah]	[V]		[h]		[Wh/L]	[Wh/kg]	[W/L]	[W/kg]
20,0	120,0	2,01	1,98	10,5	14,0	93,9	37,4	4,7	1,9
10,0	111,0	2,00	1,97	5,7	7,6	86,4	34,4	8,6	3,4
5,0	105,0	1,98	1,93	3,0	4,0	80,1	31,9	16,0	6,4
3,0	96,0	1,96	1,89	2,0	2,6	72,9	29,0	24,3	9,7
2,0	86,0	1,93	1,78	1,5	2,0	63,6	25,3	31,8	12,7
1,0	74,0	1,90	1,63	0,9	1,0	53,6	21,3	53,6	21,3
0,5	62,0	1,57	1,57	0,5	0,5	43,7	17,4	87,4	34,8
0,2	49,0	1,40	1,40	0,2	0,2	34,2	13,6	170,8	68,0

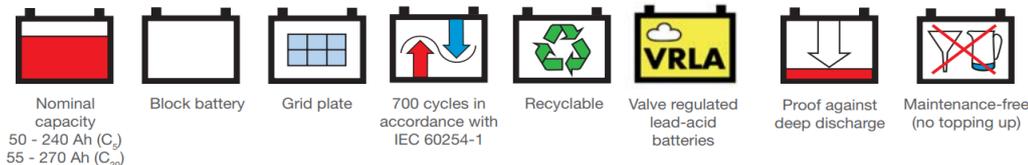
Typical values after 20 to 50 C₅ cycles at 30 °C

Cyclic performance*	<i>*according to IEC 60254-1 DOD 70%</i>	700
Operating Temperature Range	<i>Discharging</i>	-20°C to +50°C
	<i>Charging</i>	5°C to 40°C
Recommended max. load**	<i>**with appropriate counter contacts</i>	210 A

3. Charging

Charging Profile***	<i>***according to Exide specification</i>	IU1a
Charging Time		10 - 14 h

4. General properties of the range



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