

GF 12 033 Y G1*/G2



Technical Datasheet Gel Sonnenschein Light Traction VRLA Battery

11 - 2025

1. Physical Specifications

Variant	Length	Base length	Width	Base width	Lid height	Total height	Weight ±5%
GF 12 033 Y G1*/G2	210 mm	195 mm	175 mm	175 mm	175 mm	175 mm	14,6 kg
Variant	Technology	Plate-type		Container material	Terminal type	Terminal position	Bolt torque
GF 12 033 Y G1*/G2	Gel	Positive	Negative	PP	G-M6	3	6 ± 1 Nm

* With hold down

2. Performance Data

Rate	Discharge		End of discharge voltage		Effective runtime		Energy density		Power density	
	Current	Capacity	60% DOD	80% DOD	60% DOD	80% DOD				
[h]	[A]	[Ah]	[V]		[h]		[Wh/L]	[Wh/kg]	[W/L]	[W/kg]
20,0	1,9	38,0	2,01	1,98	10,2	13,6	71,3	31,4	3,6	1,6
10,0	3,5	35,0	2,00	1,97	5,5	7,4	65,3	28,8	6,5	2,9
5,0	6,5	32,3	1,98	1,93	3,0	4,0	59,1	26,0	11,8	5,2
3,0	9,5	28,5	1,96	1,89	2,0	2,7	51,8	22,8	17,3	7,6
2,0	12,9	25,7	1,93	1,78	1,5	2,0	45,6	20,1	22,8	10,0
1,0	22,5	22,5	1,90	1,63	0,9	1,0	39,0	17,2	39,0	17,2
0,5	39,0	19,5	1,57	1,57	0,5	0,5	32,9	14,5	65,9	29,0

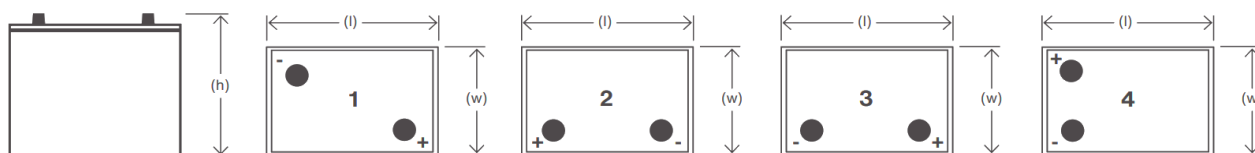
Typical values after 20 to 50 C₅ cycles at 30 °C

Cyclic performance*	*according to IEC 60254-1 DOD 70%	450
Operating Temperature Range	Discharging	-20°C to +50°C
	Charging	5°C to 40°C
Recommended max. load**	**with appropriate counter contacts	65 A

3. Charging

Charging Profile***	***according to Exide specification	IULa
Charging Time		10 - 14 h

4. Drawings, Terminal and Torque



not to scale

