

GF 12 076 V



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 $\pm 5\%$
GF 12 076 V	330 mm	265 mm	171 mm	162 mm	190 mm	236 mm	28,8 kg
Variant	Technology	Plate-type Positive	Plate-type Negative	Container material	Terminal type	Terminal position	Bolt torque
GF 12 076 V	Gel	Grid	Grid	PP	A	2	8 $\pm$ 1 Nm

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	4,4	87,9	2,01	1,98	10,5	14,0	79,6	36,8	4,0	1,8
10,0	8,3	83,2	2,00	1,97	5,6	7,4	75,0	34,7	7,5	3,5
5,0	15,4	77,1	1,98	1,93	3,0	4,0	68,1	31,5	13,6	6,3
3,0	23,7	71,2	1,96	1,89	1,9	2,6	61,9	28,6	20,6	9,5
2,0	33,0	65,9	1,93	1,78	1,4	1,9	56,4	26,1	28,2	13,0
1,0	56,5	56,5	1,90	1,63	0,8	1,0	47,3	21,9	47,3	21,9
0,5	97,0	48,5	1,57	1,57	0,5	0,5	39,6	18,3	79,1	36,6

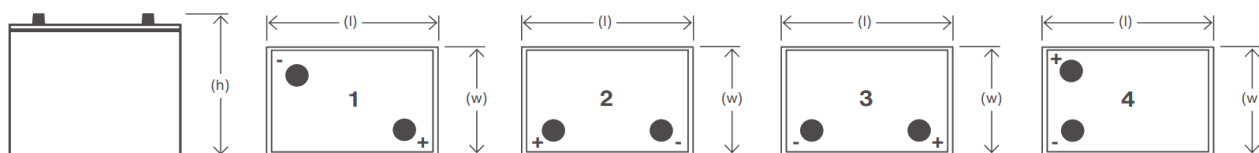
Typical values after 20 to 50 C₅ cycles at 30 °C

Cyclic performance*	*according to IEC 60254-1 DOD 70%	700
Operating Temperature Range	Discharging	-20°C to +50°C
	Charging	5°C to 40°C
Recommended max. load**	**with appropriate counter contacts	154 A

3. Charging

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

4. Drawings, Terminal and Torque



not to scale

