

1. Physical Specifications

Variant	Length	Base length	Width	Base width	Lid height	Total height	Weight ±5%
GF 12 022 YT	166 mm	166 mm	175 mm	175 mm	125 mm	125 mm	8.50 kg

Variant	Terminal	Container Material	Bolt torque value
GF 12 022 YT	Female M5	ABS	max. 3 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]					
20.0	24.0	2.01	1.98	11.0	14.7	79.71	34.05	3.99	1.70
10.0	23.3	2.00	1.97	5.7	7.6	77.00	32.89	7.70	3.29
5.0	22.0	1.98	1.93	3.0	4.0	71.25	30.44	14.25	6.09
3.0	18.9	1.96	1.89	2.1	2.8	60.90	26.02	20.30	8.67
2.0	17.0	1.93	1.78	1.6	2.0	53.37	22.80	26.69	11.40
1.0	13.8	1.90	1.63	1.0	1.0	42.41	18.12	42.41	18.12
0.5	11.4	1.57	1.57	0.5	0.5	33.94	14.50	67.89	29.00
0.2	9.0	1.40	1.40	0.2	0.2	26.62	11.37	133.09	56.86

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

Cyclic performance*	<i>*according to IEC 60254-1 DOD 70%</i>	450
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>	40 A

3. Charging

Charging Profile***	<i>***according to GNB specification</i>	IUIa
Charging Time		10 - 14 h

4. General properties of the range



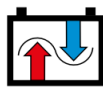
Nominal capacity
14 - 93,5 Ah (C₅)
15 - 110 Ah (C₂₀)



Block battery



Grid plate



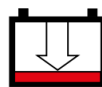
450 cycles in accordance with IEC 60254-1



Recyclable



Valve regulated lead-acid batteries



Proof against deep discharge



Maintenance-free (no topping up)



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