

1. Physical Specifications

Variant		Length	Base length	Width	Base width	Lid height	Total height	Weight ±5%
GF 06 180 V		246 mm	244 mm	192 mm	190 mm	253 mm	275 mm	30.0 kg
GF 06 180 V Q		246 mm	244 mm	192 mm	190 mm	253 mm	284 mm	30.5 kg

Variant	Terminal	Container Material	Bolt torque value
GF 06 180 V	Conical (DIN A, EN 60095-2)	UL 94-HB (PP)	8 ±1 Nm
GF 06 180 V Q	F-M10 (Female)		20 ±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				
[h]	[Ah]	[V]		[h]		[Wh/L]	[Wh/kg]	[W/L]	[W/kg]
20,0	200,0	2,01	1,98	10,9	14,5	101,8	38,9	5,1	1,9
10,0	190,0	2,00	1,97	5,7	7,5	96,2	36,8	9,6	3,7
5,0	180,0	1,98	1,93	3,0	4,0	89,3	34,1	17,9	6,8
3,0	168,0	1,96	1,89	2,0	2,7	82,9	31,7	27,6	10,6
2,0	154,0	1,93	1,78	1,5	2,0	74,1	28,3	37,0	14,2
1,0	130,0	1,90	1,63	0,9	1,0	61,2	23,4	61,2	23,4
0,5	109,5	1,57	1,57	0,5	0,5	50,2	19,2	100,3	38,4
0,2	81,6	1,40	1,40	0,2	0,2	37,0	14,1	184,9	70,7

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	360 A

3. Charging

Charging Profile***	***according to GNB specification	IUIa
Charging Time		10 - 14 h

4. General properties of the range

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