

Datasheet Gel Type VRLA Batteries

GF06160V 6V 160Ah

1. Physical Data

Box Data

Battery		CHG		Lid	max.	basic	max.	basic	Lid	max.	Weight
Type	V	C ₅	cond. Series	Ter- minal	length [mm]	length [mm]	width [mm]	width [mm]	height [mm]	height [mm]	[kg]
GF	06	160	V		246	244	192	190	253	275	29
GF	06	160	V		264	259	183	178	247	270	33

Tightening torque values of connectors to terminal
Anzugsdrehmoment für Polanschluss nach EN 50342-2

8 ± 1Nm

2. Performance Data

Discharge rate	Capacity	End Of DCH Voltage DOD		Effective DCH Time DOD		Energy Density		Power Density	
		60%	80%	60%	80%	[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
[h]	[Ah]	[V]		[h]		[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
20,0	196,0	2,01	1,98	9,8	13,1	101,0	40,8	5,0	2,0
10,0	174,0	2,00	1,97	5,5	7,4	89,2	36,0	8,9	3,6
5,0	160,0	1,98	1,93	3,0	4,0	80,4	32,4	16,1	6,5
3,0	150,0	1,96	1,89	1,9	2,6	75,0	30,3	25,0	10,1
2,0	138,0	1,93	1,78	1,4	1,9	67,2	27,1	33,6	13,6
1,0	115,0	1,90	1,63	0,8	1,0	54,8	22,1	54,8	22,1
0,5	98,0	1,57	1,57	0,5	0,5	45,5	18,3	90,9	36,7
0,2	75,0	1,40	1,40	0,2	0,2	34,4	13,9	172,0	69,4

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

recommended max. load *) 320A
max. empfohlene Last

*) with appropriate counter contacts only / nur bei entsprechender Gegenkontaktierung

Cyclic performance according IEC 60254-1 700
Zykluslebensdauer gemäß IEC 60254-1

Temperature range (depending on DOD) -20 °C up to 50 °C
Arbeitsbereich (von Entladetiefe abhängig)

Typical operational temperature range 5 °C up to 40 °C
Typischer Arbeitsbereich

3. Charging

Charging Profile(s) IU1a
according GNB specification

Charging time / Ladezeit 10 - 14h



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