



FLG 12-120

PHYSICAL SPECIFICATION

Nominal Voltage	12V	Nominal Capacity (100Hr) 132Ah (Vfin 1,8pc)
Nominal Capacity (20Hr)	120Ah	
Dimension	Length	407 ±2mm
	Width	174 ±2mm
	Container Height	209 ±2mm
	Total Height	233 ±2mm
Drawing 400195-0		Weight 38,0 Kg ± 5%
Standard Terminal		Bolt Type: M8

<p>Technical drawing of the battery showing dimensions: Length 407±2mm, Width 174±2mm, Container Height 209±2mm, Total Height 233±2mm. Terminal details include M8 bolts and a 4mm height. A circular detail shows an M8 bolt with a diameter of 18mm.</p>	<p>Bolt-and-nut terminal Bolt Type:M8</p> <p>(in mm)</p>
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ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)
Capacity	100 hours rate (Vfin1,8pc)	132,00Ah	<p>Discharge Characteristics(25°C/77 °F)</p> <p>The graph plots Loading Voltage (7.8V to 13.2V) against Discharge Time (0 to 100 hours). Curves are shown for 160A, 240A, 120A, 85.4A, 28.5A, 19.4A, 12A, and 6A.</p>
	20 hours rate (Vfin1,8pc)	120,00Ah	
	10 hours rate (Vfin1,8pc)	100,00Ah	
	5 hours rate (Vfin1,7pc)	105,35Ah	
	3 hours rate (Vfin1,7pc)	97,98Ah	
Capacity affected by temperature	40°C	102%	
	20°C	100%	
	0°C	85%	
Internal Resistance 4,5 mΩ ±10%		SCC 2350 A ±10%	
Constant Voltage Charge	Cycle	Initial Charging Current less than 40 A Voltage 14,4~15,0V at 20°C Temperature Coefficient -30 mV/°C	
	Stand by	No limit on Initial Charging Current Voltage 13,5~13,8V at 20°C Temperature Coefficient -20 mV/°C	

Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20°C

Time		5min	15min	30min	60min	90min	180min	300min	480min	600min	100hours
9.9V	A	171,31	132,06	105,01	88,57	62,15	33,62	22,02	14,01	12,50	1,43
	W	462,61	366,74	241,28	197,98	142,20	76,67	47,92	30,90	28,36	3,22
10.2V	A	157,31	126,01	102,86	80,07	58,15	32,66	21,07	13,41	10,95	1,39
	W	439,48	345,11	231,46	176,60	139,65	74,34	44,69	28,93	25,41	3,16
10.8V	A	130,45	103,50	90,06	73,90	50,18	29,38	18,19	11,92	10,00	1,32
	W	408,11	300,88	196,44	162,87	124,39	65,23	38,33	26,36	23,82	3,04