



FLG 12-100

DIMENSIONAL FEATURES

Nominal Voltage		12V		Gel technology VRLA (Valve Regulated Lead Acid) ABS FV-0 container and lid Battery sealed no maintenance Design life >12 years (at 20°C) "Long Life" Standards: IEC EN 60896 Parts 21 and 22
Nominal Capacity (20 hours)		100Ah (Vfin 1,8Vpc at 20°C)		
Dimensions	Length	331 ±2mm		
	Width	172 ±2mm		
	Box Height	214 ±2mm		
	Total Height	220 ±2mm		
Drawing n° 4 00331-0		Weight 31.5 Kg ± 5%		
Standard Terminal		Female screw type : M8		
				<p>Bolt-and-nut terminal Bolt Type:M8</p> <p>(in mm)</p>

ELECTRIC FEATURES

Characteristics			Discharge curves @ 20°C	
Capacity	20 hours rate (Vfin 1,8pc at 20°C)	100,00Ah		
	10 hours rate (Vfin 1,8pc at 20°C)	85,00Ah		
	5 hours rate (Vfin 1,7pc at 20°C)	74,65Ah		
	3 hours rate (Vfin 1,7pc at 20°C)	65,43Ah		
	1 hour rate (Vfin 1,6pc at 20°C)	44,61Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 5 mΩ ±10%		SCC 2150 A ±10%		
Constant Voltage Charge	Cycle use	Initial Charging Current less than 30 A Voltage 14,4~15,0V at 20°C Temperature Coefficient -30 mV/°C		
	Stand by use	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

Final V./Time		5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9.9V	A	128,62	91,22	63,85	54,02	42,80	36,18	21,86	14,99	10,34	8,93
	W	368,33	276,90	182,48	117,32	95,04	71,60	47,16	32,39	24,22	20,27
10.2V	A	116,88	90,28	61,94	44,35	35,14	29,70	21,81	14,93	10,30	8,79
	W	358,24	268,05	176,81	113,67	92,08	69,38	46,88	32,20	24,07	20,23
10.8V	A	93,88	78,64	58,85	43,32	34,32	29,01	21,57	14,70	10,13	8,50
	W	336,37	252,88	166,80	107,24	86,87	65,45	45,96	31,56	23,60	19,83