



FLL 12-100

PHYSICAL SPECIFICATION

Nominal Voltage		12V	Stationary block sealed VRLA Box Material: ABS green color FV0 (UL94 V-0) Lid Material: ABS green color FV0 (UL94 V-0) Positive and negative flat plates with casted grids Pb/Ca/Sn Technology AGM VRLA regulated with valves (a valve per each cell) Standards: CEI EN 60896 Parts 21 and 22 Temperature exercise: -20°C +50°C Design Life : 12years (at 20°C)
Nominal Capacity (20Hr)		100Ah	
Dimensions	Length	331 ±2mm	
	Width	176 ±2mm	
	Box Height	214 ±2mm	
	Total Height	218 ±2mm	
Technical Drawing n° 400284-0		Weight 30,5 Kg ± 5%	
Standard Terminal		Bolt Type: M8	
		Bolt-and-nut terminal Bolt Type:M8	

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)
Capacity	20 hour rate	100,00Ah	
	10 hour rate	85,00Ah	
	5 hour rate	73,50Ah	
	3 hour rate	65,43Ah	
	1 hour rate	52,18Ah	
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	Initial Charging Current less than 30 A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C	
	Stand by	No limit on Initial Charging Current Voltage 13,60~13,80V 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	120min	180min	300min	480min	600min
9.9V	A	319,81	172,55	94,99	51,91	42,80	36,18	21,86	14,99	10,34	8,93
	W	607,33	338,89	217,33	143,22	104,55	81,24	59,07	41,21	27,86	22,99
10.2V	A	316,84	170,77	92,16	51,87	35,14	29,70	21,81	14,93	10,30	8,79
	W	564,96	332,13	207,69	135,96	99,25	80,85	58,79	40,61	27,46	22,73
10.8V	A	297,50	148,75	87,55	50,66	34,32	29,01	21,57	14,70	10,13	8,50
	W	470,80	293,92	196,68	132,00	96,36	77,00	55,99	39,05	26,40	22,00