



FLL 12-120

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (20Hr)		12V 120Ah	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)
Dimensions	Length	407 ±2mm	
	Width Total Height	174 ±2mm 225 ±2mm	
Drawing n°400391-0		Weight 37 Kg ±5%	
Standard Terminal		Bolt Type: M8	
			Bolt-and-nut terminal Bolt Type:M8
			(in mm)

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 20°C	
Rated Capacity	20 hours rate 1,8Vpc at 20°C	120,00Ah	Discharge Characteristics(25°C/77 °F)	
	10 hours rate 1,8Vpc at 20°C	100,00Ah		
5 hours rate 1,7Vpc at 20°C	87,85Ah			
3 hours rate 1,7Vpc at 20°C	76,98Ah			
1 hour rate 1,6Vpc at 20°C	62,01Ah			
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 4,7 mΩ ±10%		SCC 2380 A ±10%		
Constant Voltage Charge	Cycle use	Initial Charging Current less than 36 A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C		
	Stand-by use	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

Final V./Time		10min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9.9V	A	257,25	193,00	111,76	61,07	47,35	39,56	26,72	18,64	12,16	10,50
	W	449,54	350,70	215,09	124,26	101,06	78,62	61,14	39,86	27,40	23,08
10.2V	A	238,75	180,90	108,42	61,02	41,35	36,95	25,66	17,57	12,11	10,35
	W	420,32	331,32	205,58	113,62	98,27	76,20	59,93	37,30	26,95	22,79
10.8V	A	199,80	155,00	102,00	59,60	40,38	34,13	24,38	16,29	11,92	10,00
	W	364,10	288,64	194,56	107,20	93,12	72,00	56,08	36,60	25,90	22,10