



FLL 12-42

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (20Hr)		12V 42Ah	Battery VRLA (Valve Regulated Lead Acid) AGM (Absorbed Glass Material) Sealed – Maintenance free Long Life Box and Lid ABS FV0
Dimensions	Length	198 ±2mm	
	Width	166 ±2mm	
	Box Height	170 ±2mm	
	Total Height	170 ±2mm	
Drawing n° 400264-0		Weight 14,0Kg ± 5%	
Standard Terminal		Bolt Type: M6	
		<p>Bolt-and-nut terminal Bolt Type:M6</p> <p>(in mm)</p>	

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)	
Capacity	20 hour rate	42,00Ah		
	10 hour rate	37,00Ah		
	5 hour rate	32,00Ah		
	3 hour rate	28,50Ah		
	1 hour rate	22,70Ah		
Capacity affected by temperature	40°C	102%	<p>Discharge Characteristics(25°C/77 °F)</p>	
	20°C	100%		
	0°C	85%		
Internal Resistance 12 mΩ ±10%		SCC 1050 A ±10%		
Constant Voltage Charge	Cycle	Initial Charging Current less than 12,5A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C		
	Standby	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 25°C

Time		5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9.9V	A	139,21	75,11	41,35	22,60	18,63	15,75	9,52	6,53	4,50	3,89
	W	231,89	129,39	82,98	54,68	39,92	31,02	22,55	15,74	10,64	8,78
10.2V	A	137,92	74,33	40,11	22,58	15,30	12,93	9,50	6,50	4,48	3,83
	W	215,71	126,81	79,30	51,91	37,90	30,87	22,45	15,51	10,48	8,68
10.8V	A	129,50	64,75	38,11	22,05	14,94	12,63	9,39	6,40	4,41	3,70
	W	179,76	112,22	75,10	50,40	36,79	29,40	21,38	14,91	10,08	8,40