



FLL 12-31

PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20Hr)		31Ah
Dimension	Length	196 ±2mm
	Width	132 ±2mm
	Container Height	177 ±2mm
	Total Height	181 ±2mm
Drawing 400265-0		Weight 11,2 Kg ± 5%
Standard Terminal		Bolt Type: M5
		<p>Bolt-and-nut terminal Bolt Type:M5</p> <p>(in mm)</p>

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)	
Capacity	20 hour rate	31,00Ah		
	10 hour rate	25,00Ah		
	5 hour rate	21,60Ah		
	3 hour rate	19,05Ah		
	1 hour rate	15,35Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 15 mΩ ±10%		SCC 800 A ±10%		
Constant Voltage Charge	Cycle	Initial Charging Current less than 9,3A 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	94,06	50,75	27,94	15,27	12,59	10,64	6,43	4,41	3,04	2,63
	W	171,16	95,51	61,25	40,36	29,46	22,89	16,65	11,61	7,85	6,48
10.2V	A	93,19	50,23	27,10	15,26	10,34	8,74	6,42	4,39	3,03	2,59
	W	159,22	93,60	58,53	38,32	27,97	22,79	16,57	11,45	7,74	6,40
10.8V	A	87,50	43,75	25,75	14,90	10,10	8,53	6,35	4,32	2,98	2,50
	W	132,68	82,83	55,43	37,20	27,16	21,70	15,78	11,01	7,44	6,20