



FLG 12-42

PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20Hr)		42Ah
Dimensions	Length	198 ±2mm
	Width	166 ±2mm
	Box Height	170 ±2mm
	Total Height	170 ±2mm
Drawing 400328-0		Weight 13,5 Kg ± 5%
Standard Terminal		Bolt Type: M6

Technical drawings showing dimensions: Length 198±2, Width 166±2, Box Height 170±2, Total Height 170±2. Terminal details include M6 bolts and a 4mm terminal height. A label on the battery shows 'FLG 12-42 SEaled RECHARGEABLE BATTERY' and other specifications.

Bolt-and-nut terminal
Bolt Type:M6

(in mm)

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)
Capacity	20 hours rate (Vfin 1,8pc at 20°C)	42,00Ah	<p>Discharge Characteristics(25°C/77 °F)</p>
	10 hours rate (Vfin 1,8pc at 20°C)	37,00Ah	
	5 hours rate (Vfin 1,7pc at 20°C)	32,50Ah	
	3 hours rate (Vfin 1,7pc at 20°C)	28,50Ah	
	1 hour rate (Vfin 1,6pc at 20°C)	24,83Ah	
Capacity affected by temperature	40°C	102%	
	20°C	100%	
	0°C	85%	
Internal Resistance 10,5 mΩ ±10%		SCC 1050 A ±10%	
Constant Voltage Charge	Cycle	Initial Charging Current less than 10 A Voltage 14,4~15,0V at 20°C Temperature Coefficient -30 mV/°C	
	Standby	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

Time		5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9.9V	A	55,99	39,71	27,79	23,51	18,63	15,75	9,52	6,53	4,50	3,89
	W	147,95	111,22	73,30	47,12	38,17	28,76	18,94	13,01	9,73	8,14
10.2V	A	50,88	39,30	26,96	19,31	15,30	12,93	9,50	6,50	4,48	3,83
	W	143,90	107,67	71,02	45,66	36,99	27,87	18,83	12,93	9,67	8,13
10.8V	A	40,87	34,23	25,62	18,86	14,94	12,63	9,39	6,40	4,41	3,70
	W	135,11	101,58	67,00	43,08	34,89	26,29	18,46	12,68	9,48	7,97