

OPzV12-100 (12V100Ah)

Specification

Cells Per Unit	6				
Voltage Per Unit	12				
Nominal Capacity	100Ah@10hr-rate to 1.80V per cell @25°C				
Weight	Approx. 34.5Kg (Tolerance ± 3.0%)				
Internal Resistance	Approx. 8.0 mΩ				
Terminal	F12(M8)				
Max. Discharge Current	1000A (5 sec)				
Design Life	20 years				
Max. Charging Current	20.0 A				
Reference Capacity	C3 78.5AH C5 88.0AH C10 100.0AH C20 107.1AH				
Float Charging Voltage	13.5 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell				
Cycle Use Voltage	14.2 V~14.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell				
Operating Temperature Range	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C				
Normal Operating Temperature Range	25°C±5°C				
Self Discharge	ENERSTAR Valve Regulated Lead Acid(VRLA) batteries can be stored for up to 6 month at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 2% at 20°C. Please charge batteries before using.				
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.				





Dimens	ions Unit: mm					
40	92.20					
04	ф 16 М8					
3	11 F12 TERMINAL					
Length	407±2mm (16.0 inches)					
Width	177±2mm (6.97 inches)					
Height	225±2mm (8.86 inches)					
Total Height	225±2mm (8.86 inches)					
Torque Value	10~12 N*m					

Constant Current Discharge Characteristics :A(25°C)										
F.V/ Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	163.7	131.3	86.97	59.88	37.10	28.75	18.90	12.73	10.70	5.618
1.65V	153.4	124.2	83.85	58.11	35.90	28.13	18.50	12.53	10.50	5.513
1.70V	140.3	115.7	80.15	56.15	34.70	27.20	18.10	12.33	10.30	5.408
1.75V	128.4	106.6	74.88	53.21	33.50	26.16	17.60	12.13	10.20	5.355
1.80V	111.9	95.35	69.62	49.98	31.90	25.02	16.99	11.83	10.00	5.250
1.85V	93.12	82.55	62.01	45.57	29.50	23.36	16.19	11.33	9.570	5.024

Constant Pov	Constant Power Discharge Characteristics : WPC(25°C)									
F.V/ Time	10min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	256.7	213.0	159.8	113.5	70.90	55.33	36.80	25.16	21.10	11.08
1.65V	250.1	208.7	155.6	110.7	68.90	54.39	36.10	24.76	20.80	10.92
1.70V	237.4	200.6	150.2	107.8	67.00	52.73	35.39	24.46	20.50	10.76
1.75V	215.4	186.2	141.7	102.5	65.00	51.07	34.59	24.06	20.30	10.66
1.80V	185.3	168.8	132.9	96.82	62.10	48.79	33.38	23.46	19.90	10.45
1.85V	153.2	141.6	119.3	88.69	57.60	45.67	31.87	22.46	19.10	10.03



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