

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

DMU 12-5 (12V5AH)

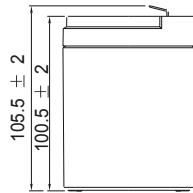
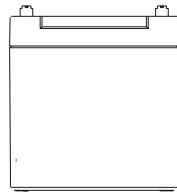
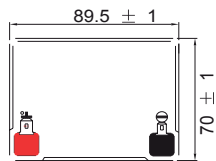
Specification



Application

- UPS
- Toys
- Power tools
- Medical Equipment
- Control Equipment
- Communication Equipment
- Alarm and security system

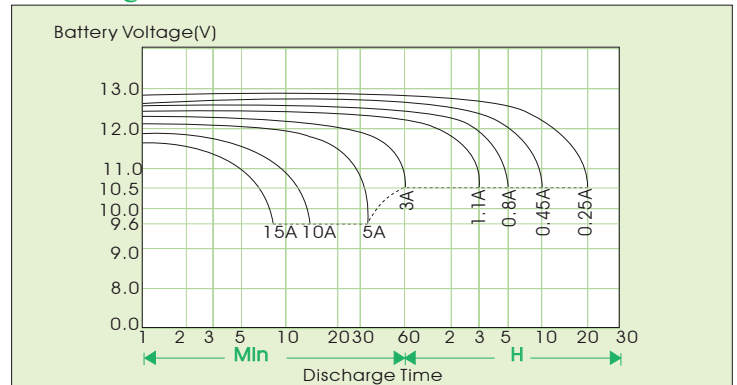
Dimensions(mm)



Nominal voltage		12V
Rated Capacity (20 HR)		5AH
Approx Weight		1.7kg
Terminal	Standard	F2-TAB 250A
	Optional	
Operation Temperature		
Charge	0°C (32°F) ~ 40°C (104°F)	
Discharge	-20°C (-4°F) ~ 50°C (122°F)	
Storage	-20°C (-4°F) ~ 40°C (104°F)	

Capacity 25°C (77°F)	20 hour rate (0.25A)	5AH
	10 hour rate (0.45A)	4.5AH
	5 hour rate (0.8A)	4AH
	1 hour rate (3A)	3AH
Capacity affected by temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self-discharge at 25°C (77°F) (Before recharge)	Capacity after 3 month	91%
	Capacity after 6 month	82%
	Capacity after 12 month	64%
Constant voltage charge	Cycle	Initial Charging Current ≤ 1.5A 14.4V ~ 15V at 25°C (77°F)
	Standby	13.5V ~ 13.8V at 25°C (77°F)
Max discharge current for 5 seconds		75A

Discharge characteristic



Note: Discharge shall be cut-off at 10.5V if discharge at $< 1C_A$ and at 9.6V if at $\geq 1C_A$.
It is recommended to recharge battery by constant-voltage charge immediately after use

Constant current (Amp) and Constant Power (Watt) Discharge Table at 25°C (77°F)

Final voltage	Time (min)	5	10	15	20	30	60	120	180	300	600
		1.80VPC	A	22.29	13.52	9.00	8.33	5.46	2.75	1.88	0.95
	W	234.00	142.00	105.00	87.50	57.50	32.50	18.50	12.80	9.20	5.10
1.75VPC	A	22.67	13.95	9.33	8.62	5.76	3.00	1.95	1.10	0.80	0.45
	W	238.00	146.50	108.50	90.50	60.50	35.50	20.46	14.90	9.70	5.30
1.70VPC	A	22.85	14.10	9.47	8.76	5.91	3.15	2.00	1.21	0.83	0.49
	W	240.00	148.00	110.00	92.00	62.00	37.00	21.00	15.10	10.00	5.50
1.65VPC	A	23.04	14.28	9.67	8.95	6.09	3.31	2.05	1.30	0.87	0.54
	W	242.00	150.00	112.00	94.00	64.00	39.00	21.24	15.30	10.10	5.70
1.60VPC	A	23.10	14.38	10.00	9.05	6.20	3.42	2.11	1.39	0.90	0.58
	W	243.00	151.00	113.00	95.00	65.00	40.00	21.50	15.60	10.30	5.80