

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

DMU 12-65 (12V65AH)

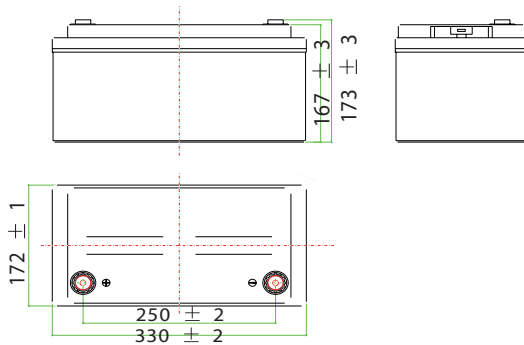
Specification



Application

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

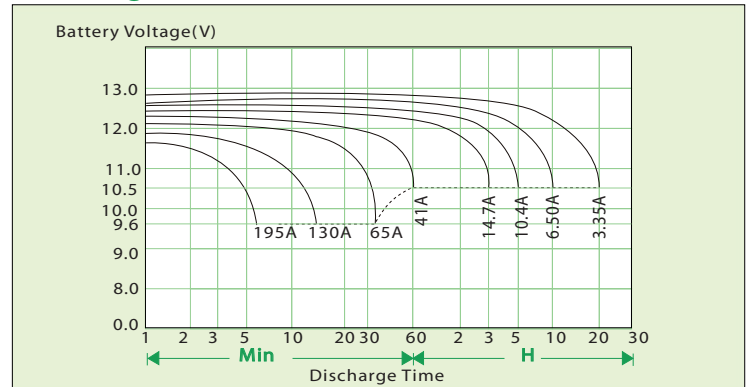
Dimensions(mm)



Nominal voltage		12V
Rated Capacity (10 HR)		65AH
Approx Weight		20.5kg
Terminal	Standard	I3-M8
	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 (3.35A)	67AH
	10 hour rate (6.5A)	65AH
	5 hour rate (10.4A)	52AH
	1 hour rate (41A)	41AH
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 ≤ 19.5A 14.4V ~ 15V at 25°C (77°F)
	Standby	13.5V ~ 13.8V at 25°C (77°F)
Max discharge current for 5 seconds		975A

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	236.38	159.04	127.68	85.81	70.67	40.65	25.33	14.56
	W	2360.00	1670.00	1160.00	901.00	737.00	442.00	253.00	173.00	121.59	67.59
1.75V PC	A	236.85	159.80	128.25	86.09	70.95	41.00	25.52	14.70	10.40	6.50
	W	2363.00	1678.00	1164.00	904.00	740.00	445.00	258.00	175.00	123.54	69.85
1.70V PC	A	237.33	160.19	128.86	86.38	71.23	41.35	26.00	14.88	10.54	6.68
	W	2365.00	1682.00	1167.00	907.00	743.00	449.00	262.00	179.00	127.53	71.56
1.65V PC	A	237.50	160.38	129.46	86.57	71.43	41.65	26.10	15.01	10.68	6.83
	W	2375.00	1684.00	1169.00	909.00	748.00	451.00	265.00	182.00	129.87	72.58
1.60V PC	A	237.71	160.48	130.00	86.67	73.35	41.98	26.19	15.18	10.82	6.95
	W	2380.00	1568.00	1170.00	910.00	751.00	453.00	268.00	186.00	131.00	73.50