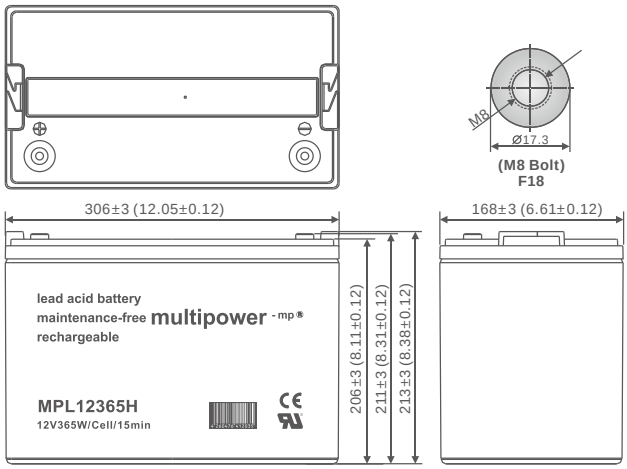
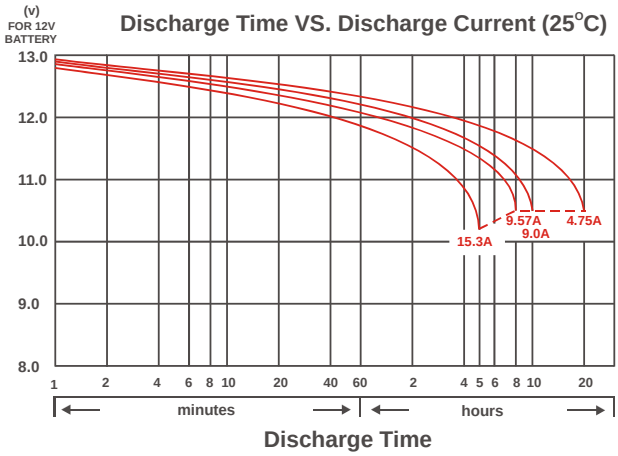
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RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION







MPL12365H

Nominal Voltage(V) 12V

Nominal Power

15 mins rate: 365W/cell to 1.67V/cell

Nominal Capacity

20 hour rate	(4.75A	to	10.50V)	95.00Ah
10 hour rate	(9.0A	to	10.50V)	90.00Ah
8 hour rate	(9.57A	to	10.50V)	76.54Ah
5 hour rate	(15.3A	to	10.20V)	76.50Ah

Weight Approx. 29.5kg (64.9Lbs.)

Internal Resistance (at 1KHz) Approx. 5.0 mΩ

Maximum Discharge Current for

5 seconds: 1140A

Charging Methods at 25℃ (77℉)

Maximum Charging Current：	28.5A
Boost Charging Voltage	14.10 to 14.40V
Boost Charge Time	8-9Hr
Float Charging Voltage	13.50 to 13.65V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃ (5℉)	to	40℃ (104℉)
Discharge	-15℃ (5℉)	to	50℃ (122℉)
Storage	-15℃ (5℉)	to	40℃ (104℉)

Charge Retention (shelf life) at 20℃ (68℉)

1 month	98%
3 month	96%
6 month	94%

Case Material ABS UL94 HB

Terminal F18

Description of torque value of hard ware for the terminals:

Recommended torque value	M8: 12 N-m (122 kgf-cm)
Maximum allowable torque value	M8: 20 N-m (204 kgf-cm)

Design Life

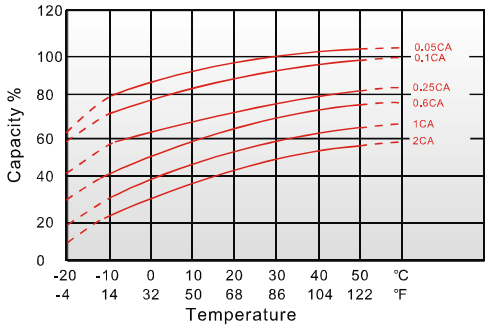
Eurobat (20℃) : 10/12 Years Long Life

JUL 2024

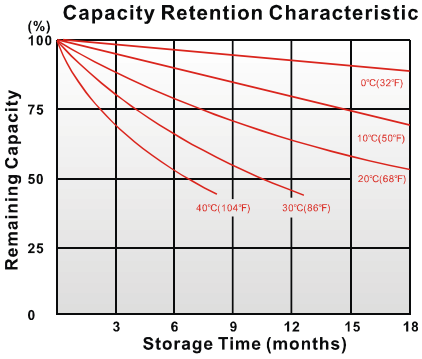
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CHARACTERISTIC & PERFORMANCE DATA

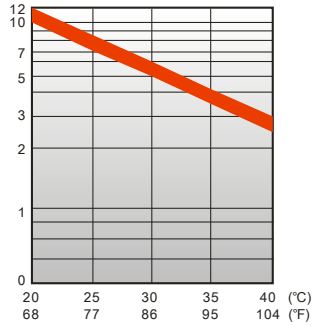
Effect of Temperature on Capacity 25℃(77℉)



Capacity Retention Characteristic



Trickle (or float) Service Life



- PERFORMANCE DATA

Discharge Rates in Watts per Cell to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.63V	1.60V
5	min	588	606	639	686	726	747	765	784
10	min	399	409	428	454	474	484	491	498
15	min	309	316	328	345	359	365	369	373
20	min	251	255	264	277	287	291	294	297
30	min	191	194	199	208	214	216	217	784
40	min	152	154	158	164	168	170		
50	min	128	130	133	137	140	142		
60	min	112	113	116	119	122	123		
120	min	63.2	63.7	64.6	66.0				

- Discharge Rates in Amperes per Battery to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	316	325	343	368	390	408	421
15	min	161	164	171	180	187	191	194
30	min	97	99	102	106	109	111	
60	min	56	57	58	60	61	62	
120	min	31.6	31.8	32.3	33.0			
240	min	17.1	17.2	17.4	17.7			
480	min	9.1	9.1	9.2	9.4			
600	min	8.6	8.7	8.8	9.0			
1200	min	4.43	4.47	4.55	4.65			

All data on the spec. sheet is an average value:

The tolerance range : X<6min (+15%~-15%), 6min≦X<10min (+12%~-12%),10min ≦X < 60min (+8% ~-8%), X≧60min (+5%~-5%)