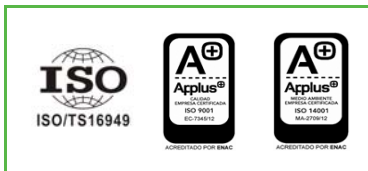


UP-PLHL190-12FT



Specification		
Nominal Voltage	12V	
Nominal Capacity (10HR)	145.0AH	
Dimension	Length	562±3mm (22.13 inches)
	Width	125±2mm (4.92 inches)
	Container Height	320±2mm (12.60 inches)
	Total Height (with Terminal)	320±2mm (12.60 inches)
Approx Weight	Approx 60Kg (132.3 lbs)	
Terminal	T11	
Container Material	ABS	
Rated Capacity	155.0AH/7.75A	(20hr, 1.80V/cell, 25°C/77°F)
	145.0AH/14.4A	(10hr, 1.80V/cell, 25°C/77°F)
Max. Discharge Current	1500A (5s)	
Internal Resistance	Approx 3.0mΩ	
Operating Temperature Range	Discharge: -40~65°C (-40~149°F)	
	Change : 0~40°C (32~104°F)	
	Storage : -20~40°C (-4~104°F)	
Nominal Operating Temperature Range	25±3°C (77±5°F)	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Batteries can be stored up to 24 months at 25°C (77°F) and then a freshening charge is required.	



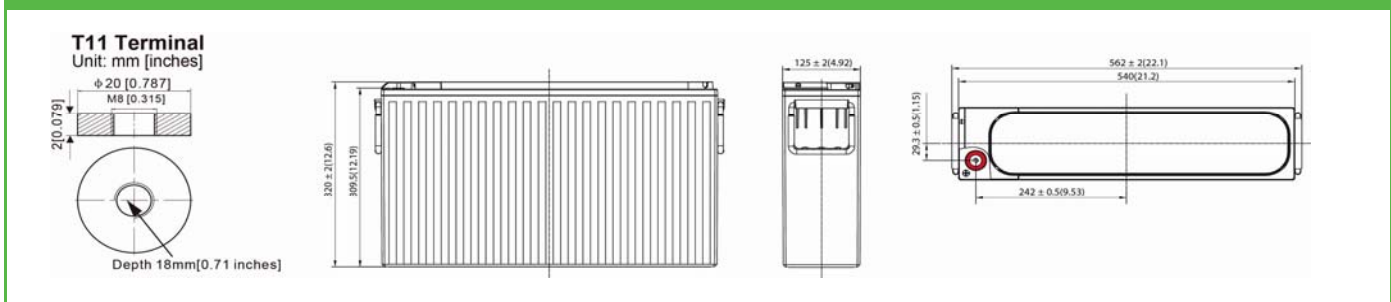
Constant Current Discharge (Amperes/cell) at 25°C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	220.7	201.8	178.5	145.1	112.9	93.8	55.9	40.0	31.4	26.0	17.5	14.30	7.59
1.80V/cell	249.1	218.7	190.7	150.6	116.4	96.3	56.7	40.6	31.9	26.5	17.7	14.40	7.75
1.75V/cell	270.1	231.5	200.3	157.2	121.0	98.5	57.3	41.1	32.3	26.7	17.8	14.50	7.79
1.70V/cell	292.3	246.5	209.2	162.1	123.5	100.2	58.0	41.5	32.5	26.9	17.9	14.60	7.82
1.67V/cell	308.3	257.5	215.8	167.3	126.1	102.1	58.7	41.8	32.8	27.0	18.0	14.70	7.86
1.60V/cell	322.9	267.0	222.3	172.4	128.4	103.7	59.5	42.2	33.1	27.3	18.1	14.80	7.89

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	422.7	389.8	347.9	285.0	223.1	186.0	111.6	80.1	63.2	52.5	35.5	29.10	15.46
1.80V/cell	471.5	417.3	368.3	293.7	228.5	189.9	112.7	81.1	64.0	53.2	35.8	29.20	15.73
1.75V/cell	503.5	437.3	383.1	303.8	235.6	193.0	113.5	81.8	64.4	53.5	35.9	29.30	15.75
1.70V/cell	538.7	460.4	395.8	310.4	238.9	195.4	114.2	82.1	64.7	53.7	36.0	29.40	15.78
1.67V/cell	559.3	474.6	403.7	318.1	242.4	198.1	115.2	82.5	65.0	53.9	36.1	29.50	15.80
1.60V/cell	576.9	486.3	411.1	324.6	245.1	199.4	115.7	82.7	65.2	54.2	36.3	29.60	15.83

Dimensions

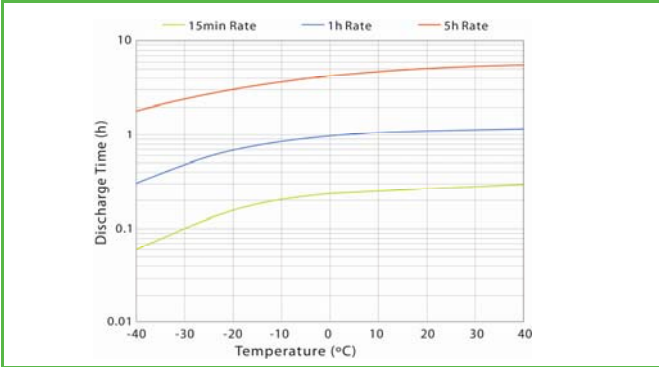


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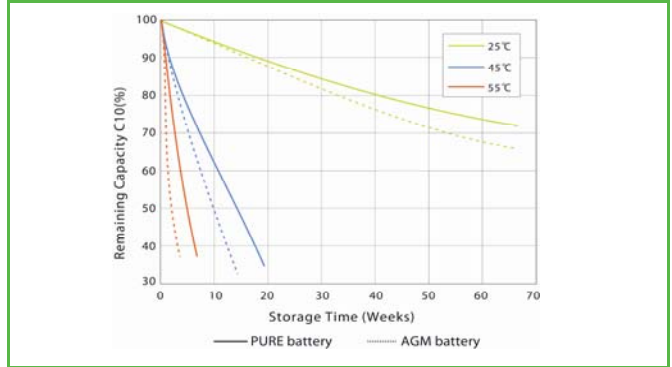


UP-PLHL190-12FT

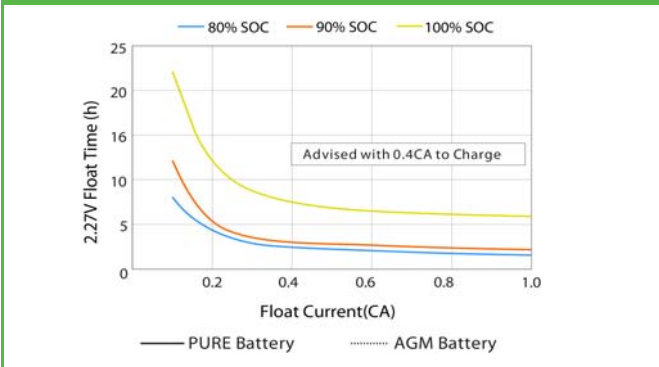
Effect of Temperature on Discharge Time



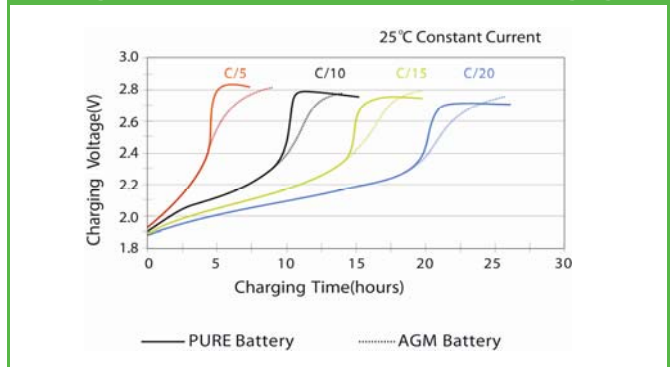
Self Discharge Characteristics



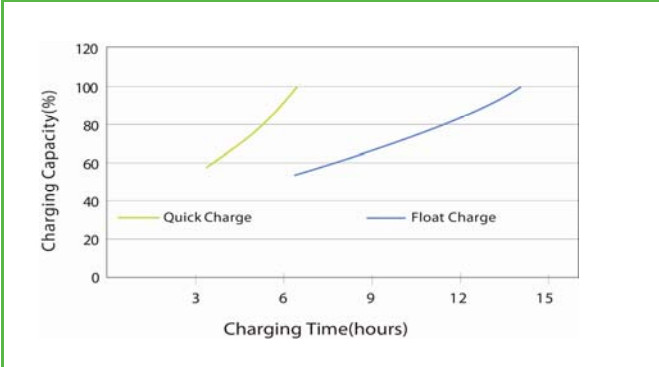
Float Current vs Float Time



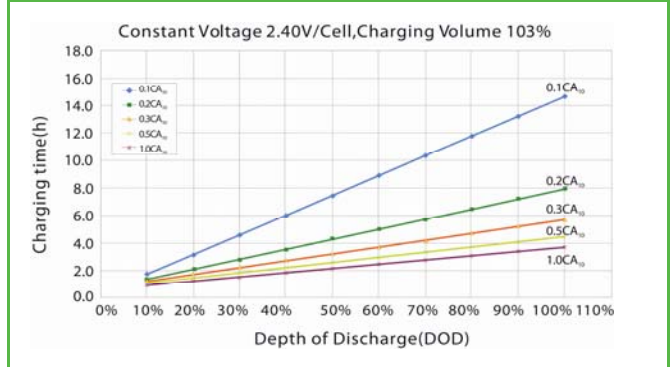
Voltage Profiles @25°C Constant Current Charging



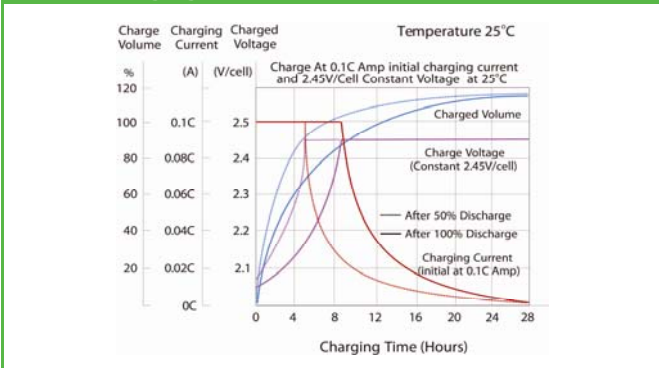
Quick Charge / Float Charge



Charge Time vs The Depth of Discharge



Float Charging Characteristics



Cycle Life vs Depth of Discharge

