

Thin Plate Pure Lead

UPLUS
NEW TECHNOLOGY BATTERY

UPBH210FT (12V210Ah)

UPBH SERIES
LONG STANDBY LIFE

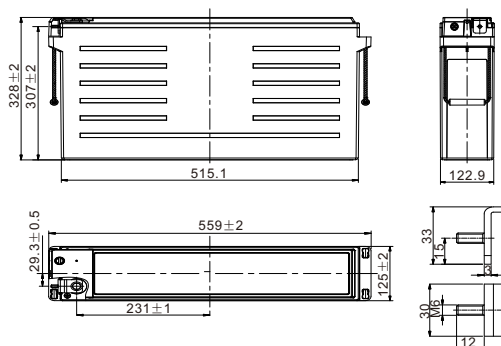
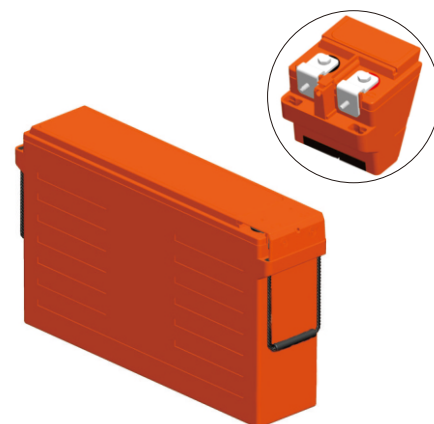
Specification

Nominal Voltage	12V	
Rated Capacity (Ah)	210Ah	(C ₁₀ , 1.80V/cell, 25°C)
	210Ah	(C ₈ , 1.75V/cell, 25°C)
Dimension	Length	559±2mm (22.01 inches)
	Width	125±1mm (4.92 inches)
	Height	328±2mm (12.91 inches)
	Total Height (with Terminal)	328±2mm (12.91 inches)
Weight	60.5Kg (133.1 lbs)	
Terminal	Threaded M8 (T11) insert with M6 front terminal adaptor	
Container Material	PC-ABS flame retardant jar and cover to UL94V-0	
Max. Discharge Current	2520A (5s)	
Internal Resistance	Approx 2.7mΩ(Fully charged)	
Operating Temp.Range	Discharge : -40°C ~ 65°C (-40°F ~ 149°F)	
	Charge : 0°C ~ 40°C (32°F ~ 104°F)	
	Storage : -20°C ~ 40°C (-4°F ~ 104°F)	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%

Storage

UPBH series batteries can be stored up to 24 months at 25°C(77°F), For higher temperatures the time interval will be shorter.

Battery needs to be given a freshening charge when the OCV approach 2.10V/cell or when the maximum storage time is reached, whichever occurs first.



Unit: mm

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	356.0	298.4	263.9	206.5	164.2	134.9	81.4	58.3	45.6	37.6	24.8	20.3	11.1
1.80V/cell	394.3	330.3	286.9	222.5	173.5	142.1	84.5	60.3	47.1	38.8	25.7	21.0	11.4
1.75V/cell	428.4	354.2	304.7	233.0	179.7	146.4	86.2	61.4	48.0	39.4	26.2	21.3	11.6
1.70V/cell	456.6	374.5	319.6	241.8	184.8	149.8	87.6	62.3	48.5	39.9	26.4	21.6	11.7
1.67V/cell	470.1	384.8	327.1	246.0	187.0	151.4	88.2	62.5	48.7	40.2	26.5	21.7	11.8
1.60V/cell	490.3	400.7	338.5	252.6	190.3	153.2	88.9	63.0	49.1	40.4	26.7	21.8	11.8

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	727.5	614.2	537.3	428.0	334.6	274.7	164.3	118.4	92.6	76.3	50.5	41.3	22.3
1.80V/cell	788.3	666.9	575.0	454.7	350.2	286.2	168.8	121.0	94.9	78.1	51.7	42.4	22.9
1.75V/cell	842.6	698.7	601.9	470.7	359.0	292.4	171.5	122.7	96.0	79.1	52.5	42.9	23.3
1.70V/cell	888.8	725.0	622.8	482.8	365.9	296.9	173.3	123.8	96.7	79.6	52.6	43.3	23.4
1.67V/cell	911.6	737.2	631.4	488.5	368.0	296.0	173.0	124.0	96.2	79.0	52.8	43.4	23.5
1.60V/cell	949.2	750.8	637.5	491.9	368.8	297.2	173.9	124.1	97.0	79.9	53.0	43.6	23.6

Specifications subject to change without notice.

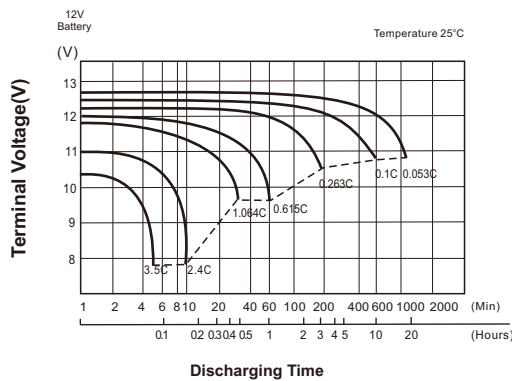
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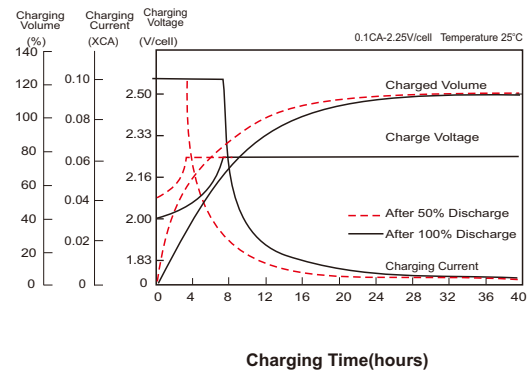
Features & Benefits

- 20 years design life(25°C)
- Low internal resistance
- Fast Charging Acceptance
- Premium ABS+ jar & covers
- IATA Approved for Air Freight
- Heat sealed plastic container
- UL Recognized, IEC Certified
- Automated COS & TTP welding
- M6 & M8 Terminal adapter options
- Flame Retardant to UL94V-0
- Long Shelf Life up to 2 years @25°C(77°F)
- High-rate performance, high energy density
- Virgin pure lead plates / copper alloy terminal inserts
- Excellent high rate discharge capability for emergency backup power supply.
- High quality AGM separators minimize electrical resistance to allow high current discharging properties.
- Outstanding high rate charge capability with Thin Plate Pure Lead technology

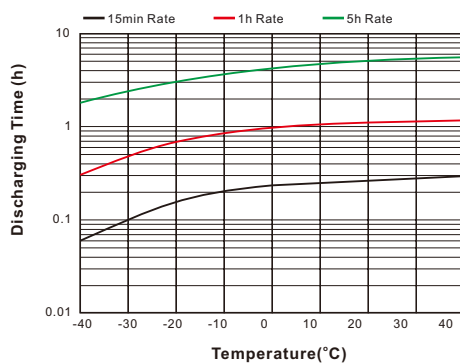
Discharging Characteristics



Charging Characteristics



Effect of Temperature on Discharging Time



Float Life

