

# LP SERIES

## General Features

- ◆ Using oxygen recombination technology: maintenance-free
- ◆ PbCaSn alloy for plate grids: less gassing, less self-discharging
- ◆ High quality AGM separator: extend cycle life and prevent micro short circuit
- ◆ ABS material: increase the strength of battery container. **(Flame-retardant ABS is optional)**
- ◆ High purity raw material: ensure low self discharge rate
- ◆ Silver-coated copper terminals **(T1, T2 terminal)**, brass insert terminals and lead terminals improve the electric conductivity

## Specifications

Model	Nominal Voltage (V)	Rated Capacity (Ah)				Approx Dimension								Approx Weight kg	Terminal type
		20HR	10HR	5HR	1HR	Length		Width		Height		Total Height			
						1.80V/cell	1.80V/cell	1.75V/cell	1.80V/cell	mm	in.	mm	in.		
LP12-5.4	12	4.50	4.19	3.78	2.73	90	3.5	70.0	2.8	101.0	3.98	107.0	4.21	1.48	T1
LP12-7.2	12	7.20	6.72	6.05	4.44	151	5.9	65.0	2.6	93.5	3.68	99.0	3.90	2.06	T2
LP12-12	12	12.0	11.2	10.2	7.54	151	5.9	98.0	3.9	95.0	3.74	101.0	3.98	3.60	T2
LP12-18	12	18.0	16.7	15.3	11.3	181.5	7.1	77.0	3.0	167.5	6.59	167.5	6.59	5.32	T3
LP12-26	12	26.0	24.2	22.1	16.3	166.0	6.5	175.0	6.9	125.0	4.92	125.0	4.92	7.80	T3
LP12-45	12	46.8	45.0	38.7	27.5	197.0	7.8	165.0	6.5	170.0	6.69	170.0	6.69	13.2	T6
LP12-65	12	65.0	60.0	53.6	37.5	348	13.7	167.0	6.6	178.0	7.01	178.0	7.01	20.0	T6
LP12-75	12	78.0	75.0	64.5	45.8	260	10.2	168.0	6.6	208.0	8.19	214.0	8.43	22.3	T6
LP12-100	12	104.0	100.0	88.0	63.8	330	13.0	173.0	6.8	212.0	8.35	220.0	8.66	30.0	T11
LP12-120	12	124.8	120.0	103.2	73.2	408	16.1	177.0	7.0	225.0	8.86	225.0	8.86	35.0	T11
LP12-150	12	156.0	150.0	129.0	91.5	483	19.0	170.0	6.7	238.5	9.39	238.5	9.39	43.5	T11
LP12-200	12	208.0	200.0	172.0	122.0	522	20.6	240.0	9.4	218.0	8.58	224.0	8.82	60.0	T11
LP12-250	12	260.0	250.0	215.0	152.5	522	20.6	268.0	10.6	220.0	8.66	226.0	8.90	72.5	T11

1. Specification are subject to change without prior notice

2. Battery conforms to JIS 8702

## Applications

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS) Em
- Emergency light
- Railway signal Aircraft signal
- Alarm and security system Electronic apparatus and equipment
- Communication power supply
- DC power supply
- Auto control system emergency backup power supply

## Application

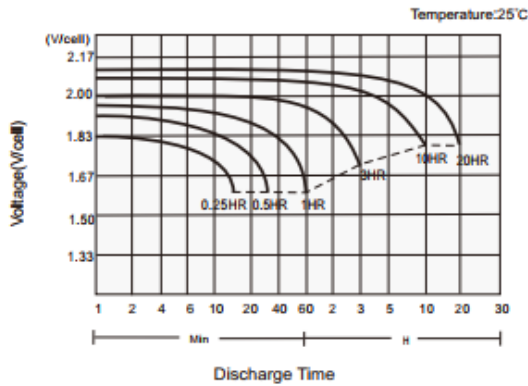
- ✓ All purpose
- ✓ Uninterruptable Power Supply (UPS)
- ✓ Electric Power System (EPS)
- ✓ Emergency light
- ✓ Emergency backup power supply
- ✓ Auto control system
- ✓ Tele-communication central station (wired or cellular)
- ✓ Power system communication
- ✓ Network communication including: data transmission, television signal transmission, etc.
- ✓ Uninterruptable Power System (UPS- for Telecom)

## Features

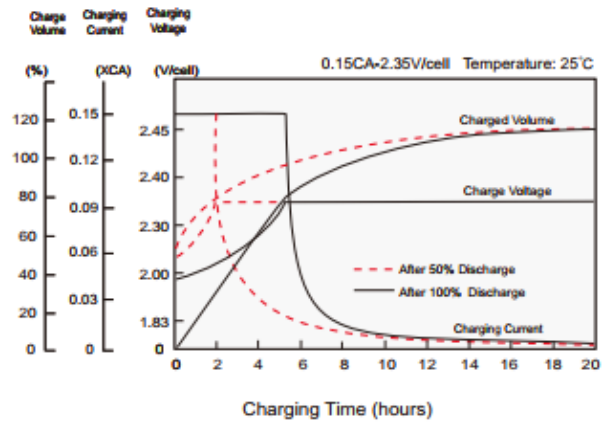
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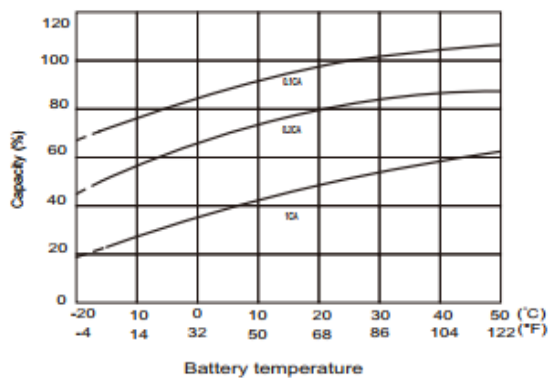
### Discharge Characteristics



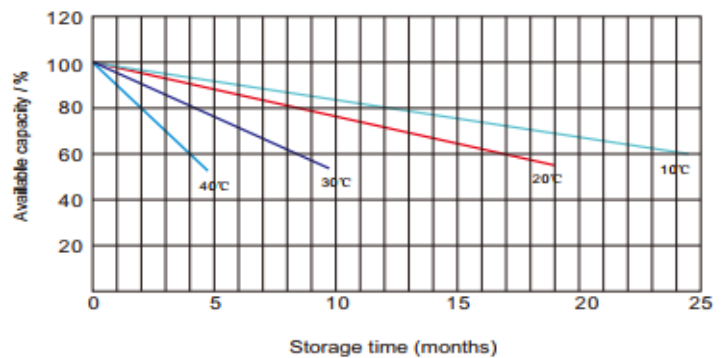
### Charging Characteristics



### Effects of Temperature on Capacity



### Self Discharge Characteristics



### UPS



### Telecom



### Power System



### Railway Signal



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