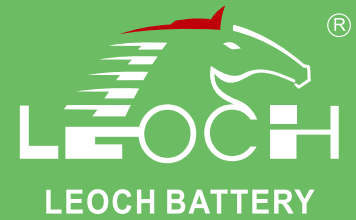




# LPC Series-Cycle Application

## LPC12-75(12V75Ah)

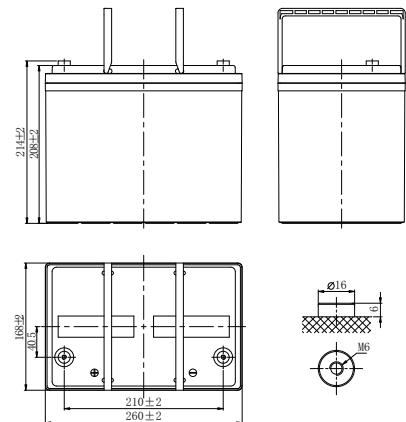


### Specifications

Rated Voltage	12V		
Rated Capacity(C <sub>10</sub> , 1.80V/cell)	75Ah		
Dimensions	Length	260±2mm (10.2 inches)	
	Width	168±2mm (6.61 inches)	
	Container Height	208±2mm (8.19 inches)	
	Total Height	214±2mm (8.43 inches)	
Approx Weight	22.3Kg (49.2 lbs)		
Terminal	M6		
Container Material	ABS		
Nominal Capacity(25°C)	78.8Ah	(20hr, 3.94A, 1.80V/cell)	
	68.5Ah	(5hr, 13.7A, 1.75V/cell)	
	62.1Ah	(3hr, 20.7A, 1.75V/cell)	
	55.6Ah	(2hr, 27.8A, 1.75V/cell)	
	46.5Ah	(1hr, 46.5A, 1.70V/cell)	
Short Circuit Current	1650A		
Internal Resistance(25°C)	≤6.6mΩ		
Operating Temp. Range	Discharge	-20 ~ 55°C (-4 ~ 131°F)	
	Charge	0 ~ 40°C (32 ~ 104°F)	
	Storage	-20 ~ 50°C (-4 ~ 122°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)		
Max.Charging Current(25°C)	18.75A		
Charge voltage(25°C)	Charge Voltage	Temp. Coefficient	
	Float	2.23~2.27V/cell	-3mV/cell/°C
Effect of temp. to Capacity	Cycle	2.40~2.45V/cell	-5mV/cell/°C
	40°C (104°F)	106%	
	25°C (77°F)	100%	
Self Discharge	0°C (32°F)	80%	
		≤3%/month @ 25°C	



### Layout



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

F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	41.9	25.5	18.7	14.7	12.8	11.2	8.64	7.16	3.80
1.80V/cell	43.4	26.4	20.3	15.7	13.4	11.8	9.09	7.50	3.94
1.75V/cell	45.5	27.8	20.7	16.0	13.7	12.0	9.14	7.58	3.98
1.70V/cell	46.5	28.3	21.1	16.3	13.9	12.2	9.28	7.65	4.02

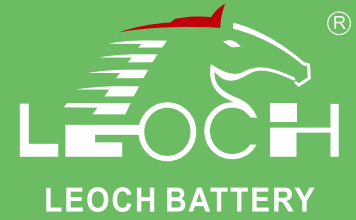
### Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	81.0	49.7	36.6	28.8	25.1	21.8	17.2	14.2	7.57
1.80V/cell	83.5	51.0	39.5	30.7	26.3	22.7	18.0	14.9	7.83
1.75V/cell	87.2	53.5	40.2	31.1	26.7	23.1	18.0	15.0	7.90
1.70V/cell	88.5	54.3	40.8	31.5	27.0	23.3	18.3	15.2	7.97



# LPC Series-Cycle Application

## LPC12-75(12V75Ah)



### Applications

- Electric tools
- Mobility Scooter
- Golf trolleys
- Portable lights and instruments
- Electric toys
- Portable power
- Electric wheelchair

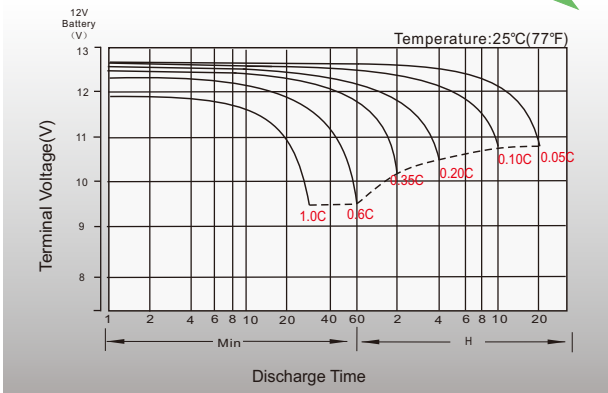
### General Features

- Good cyclic property. Enhanced overcharge endurance and overdischarge recovery property
- Using oxygen recombination technology: maintenance-free
- Lower acid density, excess of electrolyte and larger distance between plates to keep battery at low temperature and slow down plate grid corrosion speed
- Unique plate group configuration, high quality AGM separator and battery management system ensure battery with a longer service life

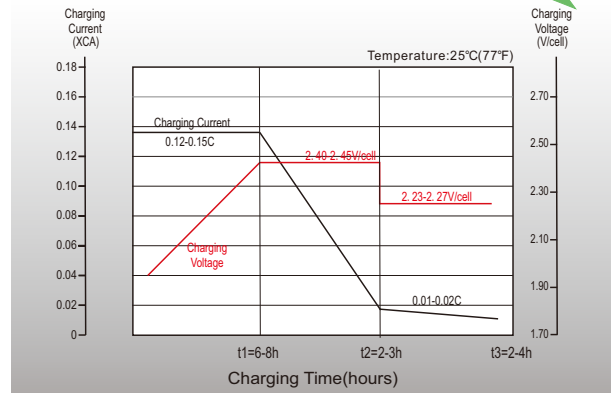
### Standards

- ACC. to BCI standards
- Manufactured in Leoch® IATF 16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

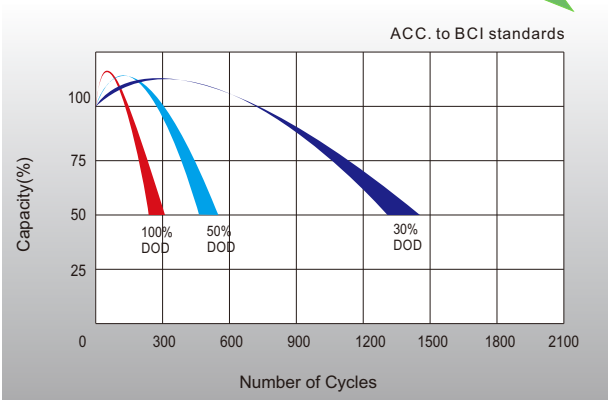
### Discharge Characteristics



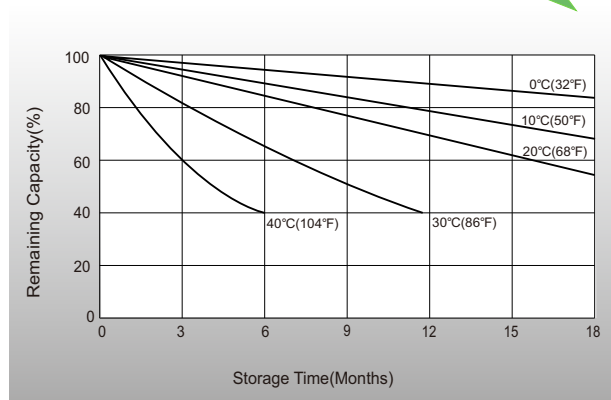
### Charging Characteristics



### Cycle Life in Relation to Depth of Discharge



### Self Discharge Characteristics



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