

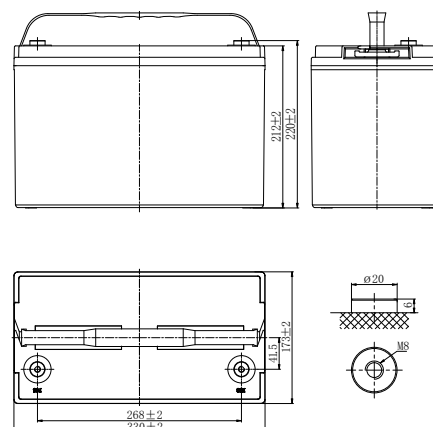
77272 LPC12V100Ah(12V110Ah/C20)

Specifications

Rated Voltage			12V
Rated Capacity(C ₁₀ , 1.80V/cell)			100Ah
Dimensions	Length	330±2mm	
	Width	173±2mm	
	Container Height	212±2mm	
	Total Height	220±2mm	
Approx Weight			30.6Kg
Terminal			M8
Container Material			ABS
Nominal Capacity(25°C)	110.0Ah	(20hr,5.25A,1.80V/cell)	
	100.0Ah	(10hr,10.0A,1.80V/cell)	
	91.0Ah	(5hr,18.2A,1.75V/cell)	
	82.8Ah	(3hr,27.6A,1.75V/cell)	
	72.0Ah	(2hr,37.0A,1.75V/cell)	
Short Circuit Current			2000A
Internal Resistance(25°C)			≤4.9mΩ
Operating Temp. Range	Discharge	-20 ~ 55°C	
	Charge	0 ~ 40°C	
	Storage	-20 ~ 50°C	
Nominal Operating Temp. Range			25±3°C
Max.Charging Current(25°C)			25A
Charge voltage(25°C)		Charge Voltage	Temp. Coefficient
	Float	2.23~2.27V/cell	-3mV/cell/°C
	Cycle	2.40~2.45V/cell	-4mV/cell/°C
Effect of temp. to Capacity	40°C	106%	
	25°C	100%	
	0°C	86%	
Self Discharge			≤3%/month @ 25°C



Layout



Constant Current Discharge (Amperes) at 25 °C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	199.7	142.0	128.3	100.9	90.2	66.0	55.9	34.0	25.0	19.6	17.0	15.0	11.5	9.55	5.07
1.80V/cell	227.2	161.2	145.4	114.0	98.2	69.9	57.9	35.2	27.1	20.9	17.9	15.7	12.1	10.0	5.25
1.75V/cell	246.7	174.8	157.4	123.1	100.2	72.4	60.7	37.0	27.6	21.3	18.2	15.8	12.2	10.1	5.30
1.70V/cell	263.8	186.4	167.1	130.5	102.2	73.9	61.9	37.7	28.2	21.7	18.5	16.0	12.4	10.2	5.36

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	373.0	267.2	242.9	191.9	172.3	126.8	108.1	66.2	48.8	38.4	33.5	29.7	22.9	19.0	10.1
1.80V/cell	417.3	298.9	271.7	214.6	186.2	133.5	111.3	68.0	52.7	40.9	35.1	30.9	24.0	19.9	10.4
1.75V/cell	445.4	319.0	289.9	229.1	188.5	137.5	116.3	71.3	53.6	41.5	35.6	31.1	24.1	20.0	10.5
1.70V/cell	468.2	335.3	304.8	240.8	190.7	139.3	118.0	72.5	54.4	42.1	36.1	31.4	24.4	20.2	10.6

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Applications

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

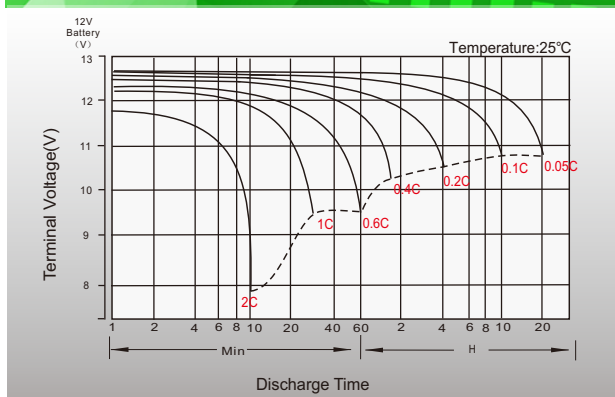
General Features

- 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

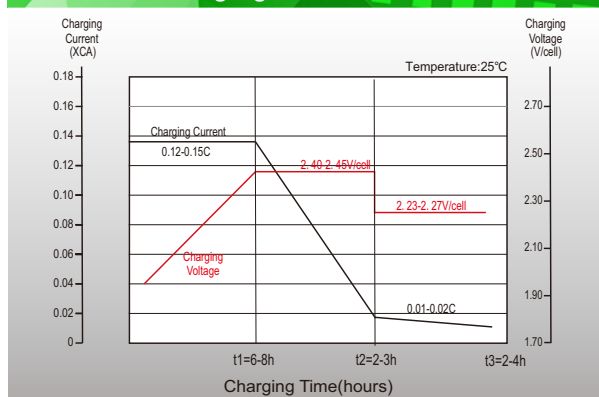
Standards

- Compliance with BCI standards
- IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

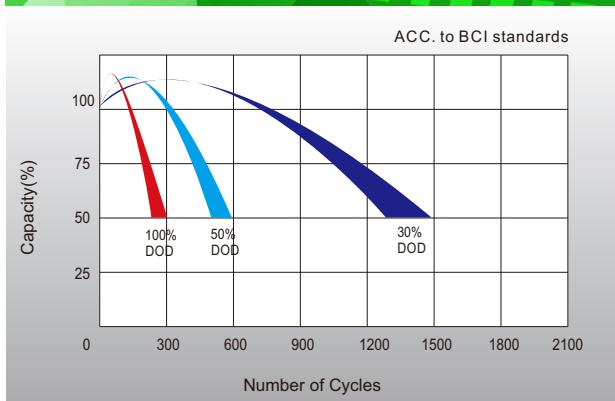
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

