

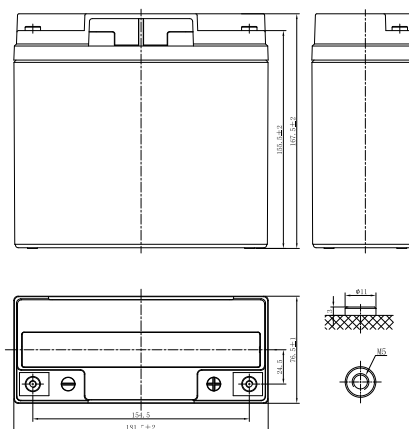
77233 LPC12V20Ah(12V20Ah/C20)

Specifications

Rated Voltage	12V		
Rated Capacity(C ₂₀ , 1.75V/cell)	20Ah		
Dimensions	Length	181.5±2mm	
	Width	76.5±1mm	
	Container Height	167.5±2mm	
	Total Height	167.5±2mm	
Approx Weight	6.00 Kg		
Terminal	M5		
Container Material	ABS		
Nominal Capacity(25°C)	18.9Ah	(10hr, 1.89A, 1.75V/cell)	
	17.3Ah	(5hr, 3.46A, 1.75V/cell)	
	15.2Ah	(3hr, 5.13A, 1.75V/cell)	
	14.3Ah	(2hr, 7.13A, 1.75V/cell)	
	12.8Ah	(1hr, 12.8A, 1.70V/cell)	
Short Circuit Current	560A		
Internal Resistance(25°C)	≤14mΩ		
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)	5.0A		
Charge voltage(25°C)	Float	2.25~2.30V/cell	-3mV/cell/°C
	Cycle	2.35~2.45V/cell	-5mV/cell/°C
Effect of temp. to Capacity	40°C	106%	
	25°C	100%	
	0°C	80%	
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	62.2	42.6	33.2	27.0	19.9	14.5	12.0	6.9	4.96	3.96	3.37	2.88	2.27	1.85	0.978
1.80V/cell	66.9	45.2	34.8	28.1	20.5	14.9	12.3	7.0	5.05	4.01	3.42	2.93	2.30	1.87	0.989
1.75V/cell	70.5	47.0	36.0	28.8	21.0	15.2	12.6	7.1	5.13	4.07	3.46	2.96	2.33	1.89	1.00
1.70V/cell	73.8	48.9	37.2	29.7	21.6	15.6	12.8	7.2	5.20	4.12	3.51	3.00	2.35	1.91	1.01

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	117.7	81.2	63.5	52.0	38.4	28.2	23.4	13.5	9.76	7.80	6.65	5.70	4.50	3.67	1.96
1.80V/cell	125.3	85.4	66.3	53.8	39.4	28.8	23.9	13.7	9.90	7.89	6.74	5.79	4.56	3.72	1.98
1.75V/cell	130.6	88.2	68.0	55.0	40.3	29.3	24.3	13.9	10.0	7.99	6.81	5.84	4.61	3.75	2.00
1.70V/cell	135.4	91.1	69.9	56.3	41.1	29.9	24.6	14.1	10.2	8.09	6.9	5.91	4.65	3.79	2.02

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Applications

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

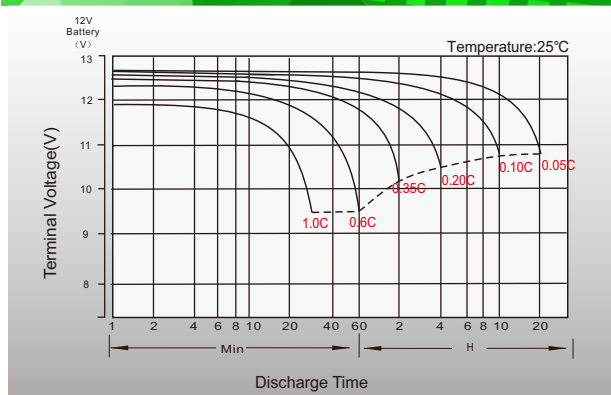
General Features

- 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

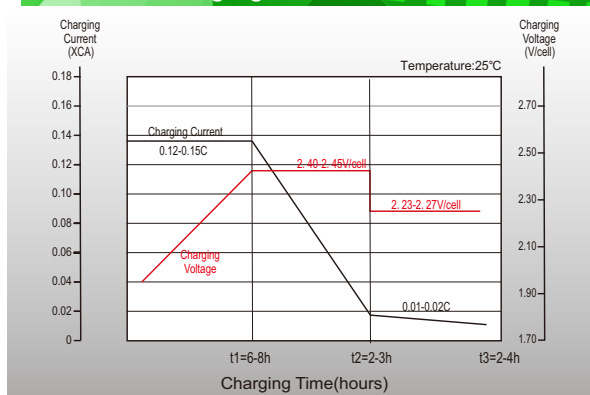
Standards

- ACC. to BCI standards
- IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

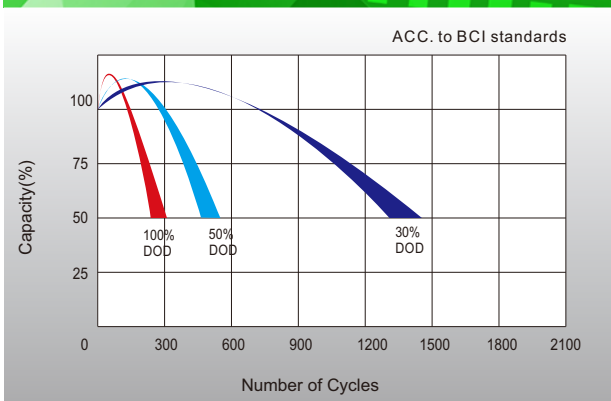
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

