

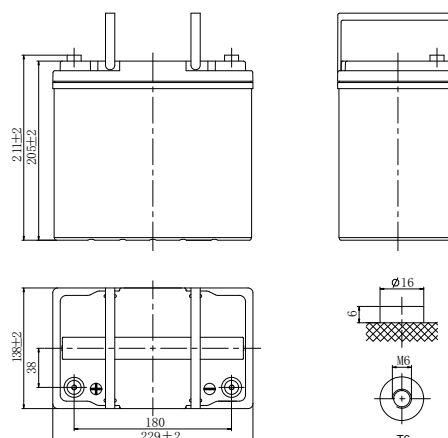
77255 LPC12V55Ah(12V57,8Ah/C20)

Specifications

Rated Voltage		12V
Rated Capacity(C ₁₀ , 1.80V/cell)		55Ah
Dimensions	Length	229±2mm
	Width	138±2mm
	Container Height	205±2mm
	Total Height	211±2mm
Approx Weight		16.2 Kg
Terminal		T6(M6)
Container Material		ABS
Nominal Capacity(25°C)	57.8Ah	(20hr, 2.89A, 1.80V/cell)
	50.0Ah	(5hr, 10.0A, 1.75V/cell)
	45.6Ah	(3hr, 15.2A, 1.75V/cell)
	40.8Ah	(2hr, 20.4A, 1.75V/cell)
	34.1Ah	(1hr, 34.1A, 1.70V/cell)
Short Circuit Current		1265A
Internal Resistance(25°C)		≤9.0mΩ
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)		13.75A
Charge voltage(25°C)	Float	2.23~2.27V/cell -3mV/cell/°C
	Cycle	2.40~2.45V/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	112.1	79.7	70.5	55.5	49.6	36.3	30.7	18.7	13.7	10.8	9.35	8.24	6.34	5.25	2.79
1.80V/cell	127.5	90.5	79.9	62.7	54.0	38.4	31.8	19.3	14.9	11.5	9.83	8.86	6.67	5.50	2.89
1.75V/cell	138.5	98.2	86.5	67.7	55.1	39.8	33.4	20.4	15.2	11.7	10.0	8.93	6.70	5.56	2.92
1.70V/cell	148.1	104.7	91.9	71.8	56.2	40.6	34.1	20.8	15.5	11.9	10.2	8.97	6.81	5.61	2.95

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	203.0	145.4	133.6	105.5	94.8	69.7	59.4	36.4	26.8	21.1	18.4	16.3	12.6	10.4	5.55
1.80V/cell	227.1	162.7	149.4	118.0	102.4	73.4	61.2	37.4	29.0	22.5	19.3	17.4	13.2	10.9	5.74
1.75V/cell	242.4	173.6	159.5	126.0	103.7	75.6	64.0	39.2	29.5	22.8	19.6	17.5	13.2	11.0	5.79
1.70V/cell	254.8	182.5	167.6	132.4	104.9	76.6	64.9	39.9	29.9	23.1	19.8	17.6	13.4	11.1	5.84

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Applications

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

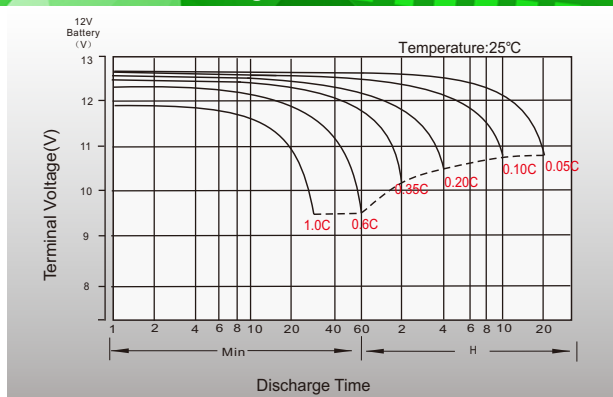
General Features

- 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

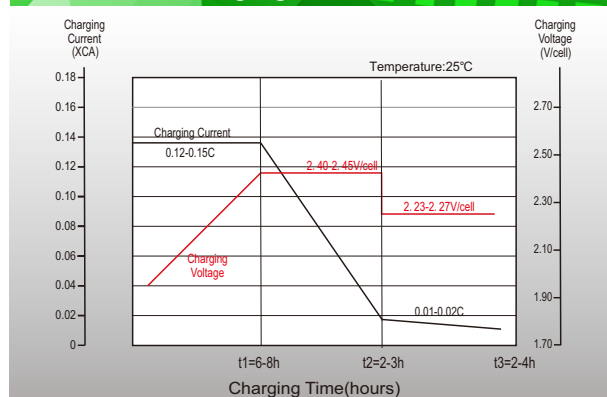
Standards

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

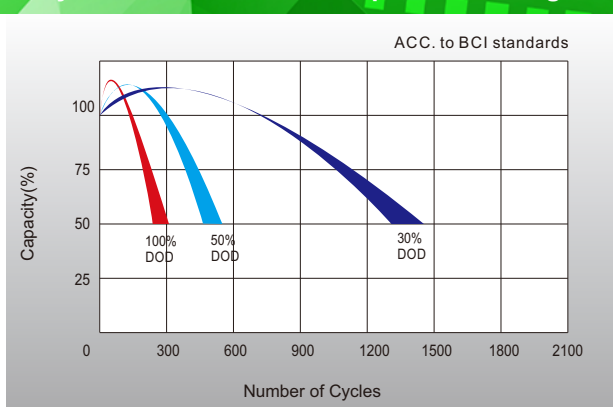
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

