

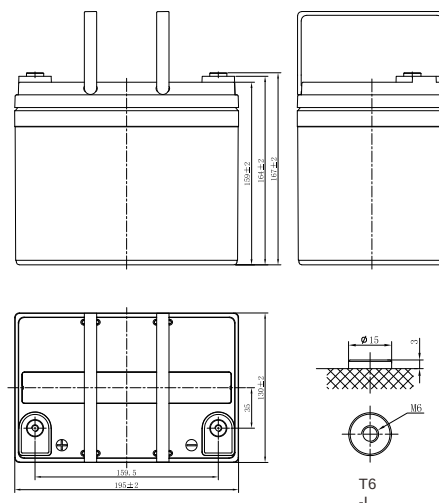
77245 LPC12V33Ah(12V33Ah/C20)

Specifications

Rated Voltage		12V
Rated Capacity(C ₂₀ , 1.75V/cell)		33Ah
Dimensions	Length	195±2mm
	Width	130±2mm
	Container Height	164±2mm
	Total Height	178±2mm
Approx Weight		10.15 Kg
Terminal		T6-I(M6)
Container Material		ABS
Nominal Capacity(25°C)	31.2Ah	(10hr, 3.12A, 1.75V/cell)
	28.4Ah	(5hr, 5.68A, 1.75V/cell)
	25.3Ah	(3hr, 8.42A, 1.75V/cell)
	23.4Ah	(2hr, 11.7A, 1.75V/cell)
	20.3Ah	(1hr, 20.3A, 1.70V/cell)
Short Circuit Current		825A
Internal Resistance(25°C)		≤12mΩ
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)		8.25A
Charge voltage(25°C)		Charge Voltage Temp. Coefficient
	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	92.4	63.5	49.8	41.0	30.8	22.9	19.0	11.3	8.15	6.50	5.53	4.73	3.73	3.05	1.61
1.80V/cell	99.3	67.3	52.2	42.7	31.7	23.5	19.5	11.5	8.29	6.59	5.61	4.81	3.78	3.09	1.63
1.75V/cell	104.6	70.0	54.0	43.8	32.6	24.0	19.9	11.7	8.42	6.68	5.68	4.86	3.82	3.12	1.65
1.70V/cell	109.6	72.9	55.8	45.1	33.4	24.5	20.3	11.9	8.54	6.77	5.76	4.92	3.86	3.15	1.66

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	174.7	120.9	95.3	79.0	59.5	44.4	37.0	22.1	16.0	12.8	10.9	9.37	7.39	6.06	3.23
1.80V/cell	186.1	127.3	99.4	81.7	61.1	45.4	37.8	22.5	16.3	13.0	11.1	9.50	7.49	6.14	3.26
1.75V/cell	193.9	131.5	102.1	83.6	62.4	46.2	38.4	22.8	16.5	13.1	11.2	9.60	7.57	6.19	3.30
1.70V/cell	201.1	135.8	104.8	85.5	63.7	47.1	39.0	23.1	16.7	13.3	11.3	9.70	7.64	6.25	3.33

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Applications

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

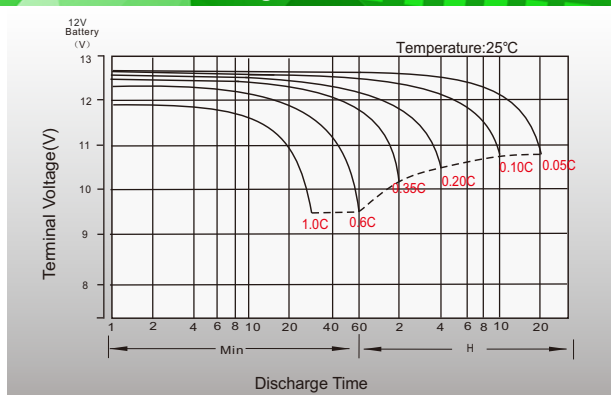
General Features

- 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

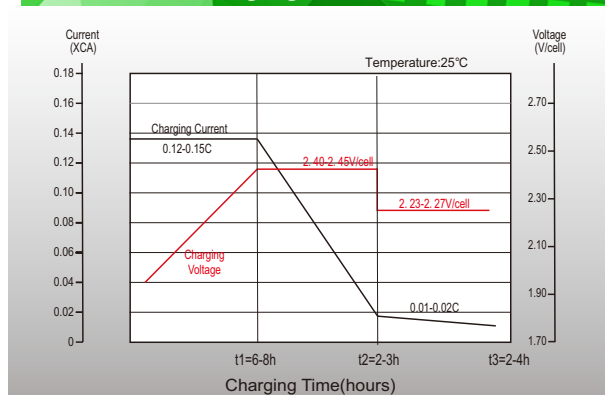
Standards

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

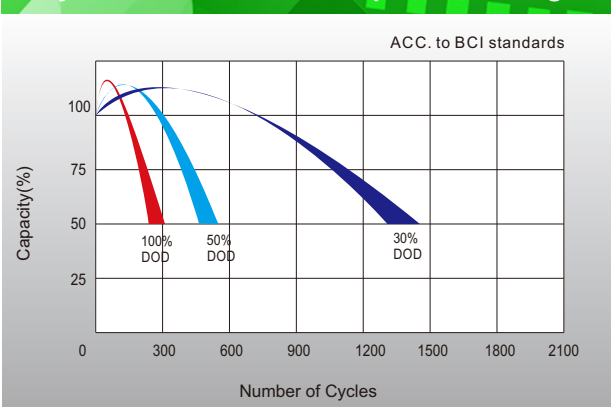
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

