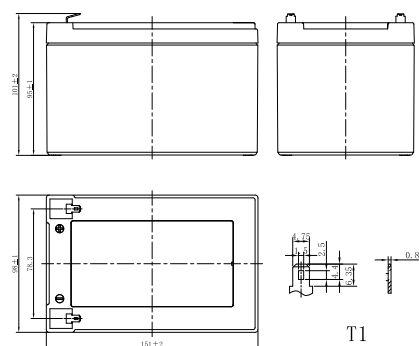


Specifications

Rated Voltage			12V
Rated Capacity(C ₂₀ , 1.75V/cell)			14Ah
Dimensions	Length	151±2mm (5.95 inches)	
	Width	98±1mm (3.86 inches)	
	Container Height	95±1mm (3.74 inches)	
	Total Height	101±2mm (3.98 inches)	
Approx Weight			3.78 Kg (8.33 lbs)
Terminal			T1/T2
Container Material			ABS
Nominal Capacity(25°C)	13.2Ah	(10hr, 1.32A, 1.75V/cell)	
	12.5Ah	(5hr, 2.41A, 1.75V/cell)	
	10.7Ah	(3hr, 3.57A, 1.75V/cell)	
	9.94Ah	(2hr, 4.97A, 1.75V/cell)	
	8.86Ah	(1hr, 8.86A, 1.70V/cell)	
Short Circuit Current			392A
Internal Resistance(25°C)			≤14mΩ
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)			3.5A
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 (104°F)		106%
	25°C (77°F)		100%
	0°C (32°F)		80%
Self Discharge			≤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	8.33	4.79	3.46	2.76	2.35	2.01	1.58	1.29	0.684
1.80V/cell	8.53	4.88	3.52	2.80	2.38	2.04	1.60	1.31	0.692
1.75V/cell	8.70	4.97	3.57	2.83	2.41	2.06	1.62	1.32	0.700
1.70V/cell	8.86	5.04	3.62	2.87	2.44	2.09	1.64	1.34	0.706

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	16.2	9.38	6.80	5.43	4.63	3.97	3.14	2.57	1.37
1.80V/cell	16.5	9.53	6.90	5.50	4.69	4.03	3.18	2.60	1.38
1.75V/cell	16.8	9.68	6.99	5.57	4.74	4.07	3.21	2.63	1.40
1.70V/cell	17.1	9.80	7.08	5.63	4.80	4.11	3.24	2.65	1.41

Applications

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

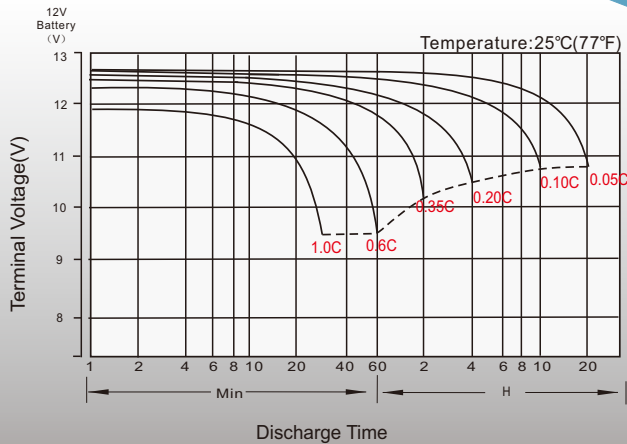
General Features

- 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

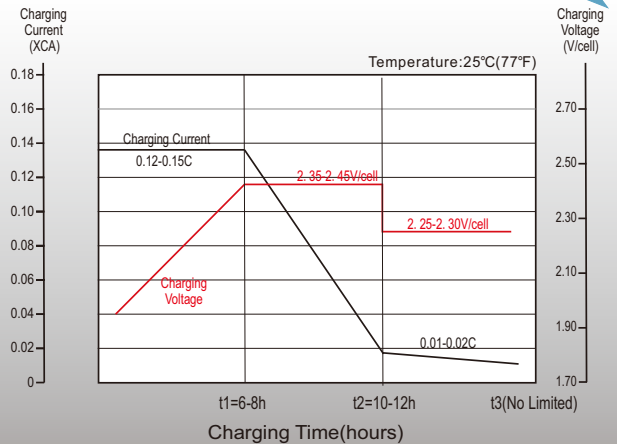
Standards

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

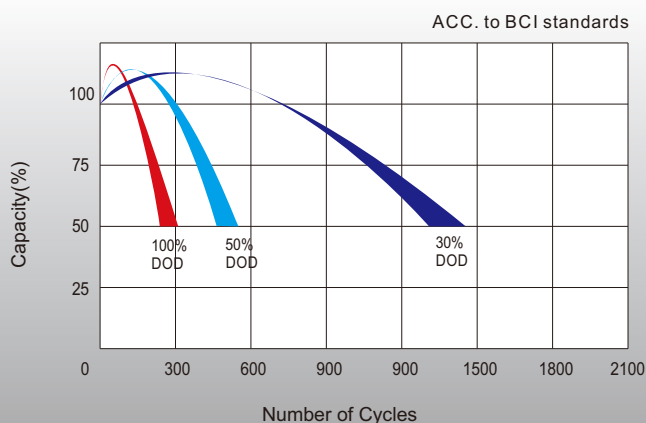
Discharge Characteristics



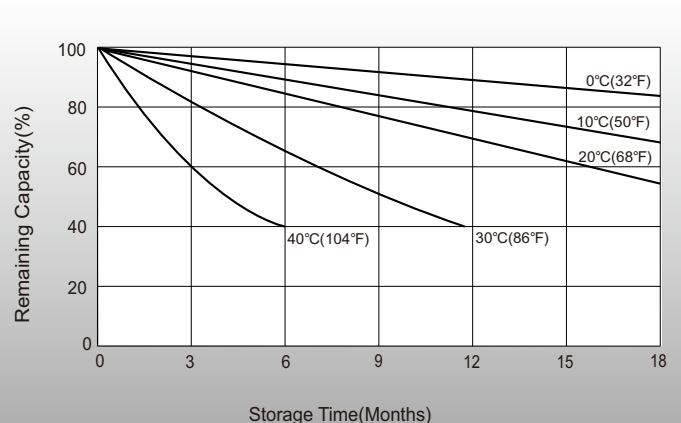
Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Sales Office

Specifications subject to change without notice.



ZAFER ENERGY SYSTEMS IND.&FOREIGN TRADE CO.LTD.

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