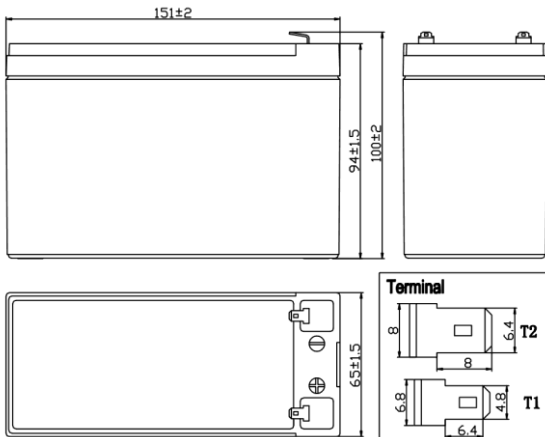
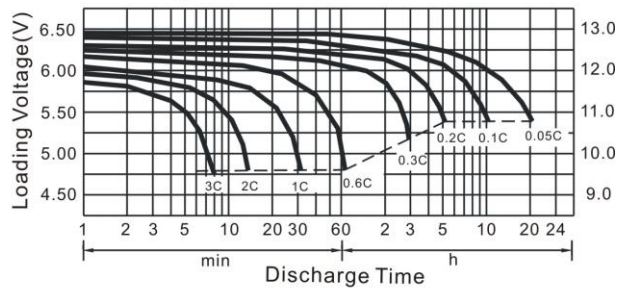


NCTS-12V7A (12V7Ah) SEALED LEAD-ACID BATTERIES

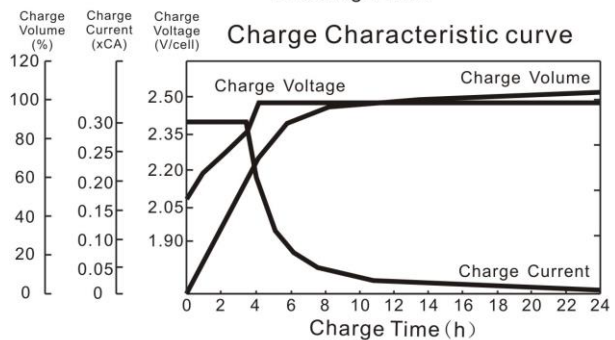
NCTS-12V7A



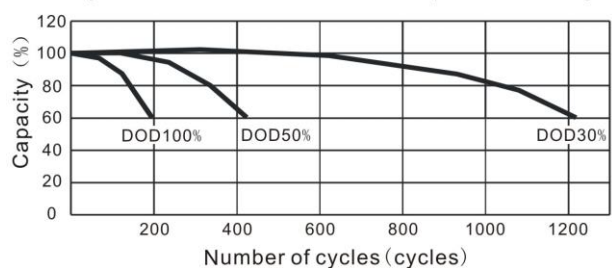
Discharge Characteristics 77°F (25°C)



Charge Characteristic curve



Cycle service life in relation to depth of discharge



NCTS-12V7A (12V7Ah) SEALED LEAD-ACID BATTERIES

Technical Specifications

MODEL: NCTS-12V7A

Specifications

Nominal Voltage		12V
Rated Capacity 77°F(25°C) (20HR)		7.2Ah
Dimensions (mm)	Length	151±2
	Width	65±1.5
	Height	94±1.5
	Total Height	100±2
Approx. Weight (kg)		2.09±3%
Terminal		T1/T2



Characteristic

Capacity 77°F(25°C)	20HR (0.360A)	7.20Ah
	10HR (0.670A)	6.70Ah
	5HR (1.224A)	6.12Ah
	1HR (4.392A)	4.39Ah
	15 min rate (13.32A)	3.33Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	Approx. 22mΩ
Temperature dependence of capacity (20HR)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 68°F(20°C) (Capacity after)	3 months	90%
	6 months	80%
	12 months	60%
Max. Discharge Current, 77°F(25°C)		108A(5s)
Floating design life, 77°F(25°C)		5 years
Constant Voltage Charge, 77°F(25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 2.16 A
	Float	13.6~13.8V(-18mV/°C)

Constant Current Discharge Characteristics (A), 77°F(25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	27.36	17.28	13.32	7.20	4.56	2.57	1.88	1.267	0.847	0.691	0.371
1.70V/cell	26.00	16.42	12.72	6.88	4.39	2.47	1.83	1.246	0.835	0.684	0.367
1.75V/cell	25.49	16.06	12.49	6.74	4.31	2.43	1.80	1.224	0.821	0.670	0.364
1.80V/cell	25.00	15.70	12.27	6.61	4.24	2.38	1.78	1.203	0.814	0.662	0.360

Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	49.68	31.68	24.64	13.44	8.58	4.89	3.60	2.448	1.649	1.361	0.734
1.70V/cell	47.66	30.38	23.75	12.96	8.34	4.73	3.55	2.427	1.642	1.354	0.728
1.75V/cell	47.16	29.95	23.53	12.81	8.27	4.69	3.51	2.405	1.627	1.339	0.724
1.80V/cell	46.66	29.60	23.32	12.67	8.20	4.65	3.48	2.384	1.613	1.325	0.720

