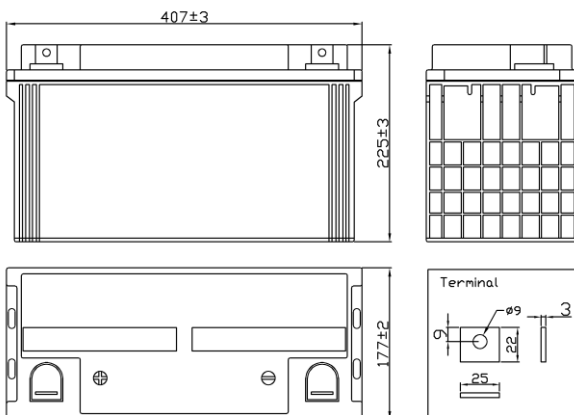
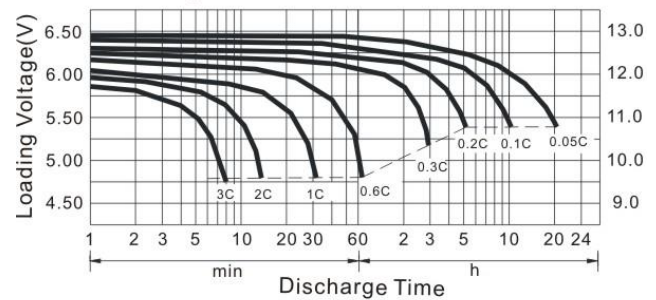


NCTS-12V120A (12V120Ah) SEALED LEAD-ACID BATTERIES

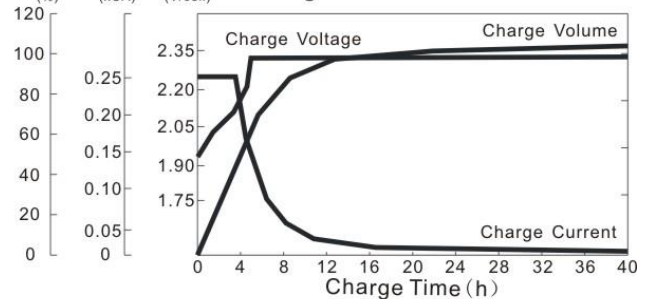
NCTS-12V120A



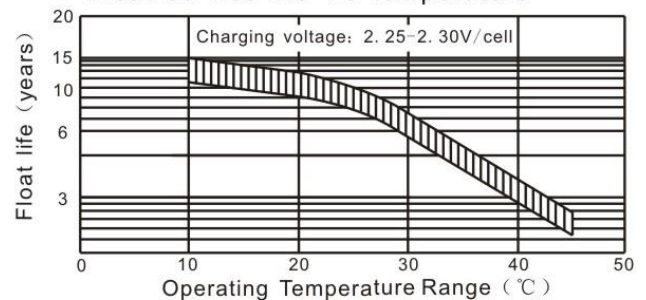
Discharge Characteristics 77°F (25°C)



Charge Characteristic curve



Float service life VS temperature



NCTS-12V120A (12V120Ah)

SEALED LEAD-ACID BATTERIES

Technical Specifications

MODEL: NCTS-12V120A

● Specifications

Nominal Voltage		12V
Rated Capacity 77°F(25°C) (10HR)		120.0Ah
Dimensions (mm)	Length	407±3
	Width	177±2
	Height	225±3
	Total Height	225±3
Approx. Weight (kg)		32.6±3%
Terminal		T9



● Characteristic

Capacity 77°F(25°C)	20HR (6.36A)	127.2Ah
	10HR (12.0A)	120.0Ah
	5HR (20.4A)	102.0Ah
	1HR (75.96A)	75.9Ah
	15 min rate (210.0A)	52.5Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	Approx. 4mΩ
Temperature dependence of capacity (10HR)	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)		960A(5s)
Floating design life, 77°F(25°C)		10 years
Constant Voltage Charge, 77°F(25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current: 30 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	402.2	258.0	210.0	135.0	78.00	46.62	32.26	21.64	14.90	12.60	6.912
1.70V/cell	354.0	234.0	201.0	131.4	76.92	46.02	31.86	21.38	14.66	12.36	6.672
1.75V/cell	318.0	216.0	190.2	127.8	75.96	45.42	34.50	21.06	14.52	12.24	6.552
1.80V/cell	276.0	195.6	178.2	122.9	74.40	44.80	30.90	20.75	14.30	12.12	6.432

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	693.5	460.1	381.5	252.0	149.5	90.91	63.97	43.02	29.66	25.10	13.81
1.70V/cell	625.4	425.1	370.2	247.5	148.1	90.12	63.35	42.63	29.25	24.68	13.34
1.75V/cell	569.8	397.8	353.5	242.8	146.9	89.33	62.79	42.08	29.04	24.48	13.10
1.80V/cell	501.4	365.1	334.1	235.5	144.5	88.85	61.75	41.50	28.61	24.24	12.86

