NILE BATTERY

تسلا
یو پی اس، باتری یو پی اس و استابلایزر

NBT Series 12 Volt

Version: 5

Advantages

- Long life according to EUROBAT Classification
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Easy installation and handling
- Vertical or horizontal installation

Main Applications

- Communication Equipment
- UPS
- Emergency Power system
- Power Tools
- Medical Equipment
- Control Equipment
- Solar Energy System
- Alarm System
- Cable Television

Structure Feature

- Impact proof and vibration proof strengthened ABS material
- Patent terminal sealing technology
- Higher assembly pressure, preventing active material shredding off the plates
- High sensible value ,ensuring the reliability and safety during the operation

Compliant Standards

- IEC 60896-21/22
- BS 6290-4

Technical Features

- Nominal Voltage : 12V
- Self discharge rate:<2%per month at 25°C
- Recombination efficiency : >98%
- Grid Alloy is corrosion proof, no pollution and less water loss
- Design life 5~8 years at 25°C
- Wide Working Temperature: -15°C~+45°C

Technical Information

Battery Type	Nominal Voltage (V)	Nominal Capacity (25°C)	Float Voltage (25°C)	Equalize Voltage (25°C)	Normal Charge Current (25°C)	Internal Resistance (mΩ)	Length (mm)	Width (mm)	Height (mm)	Total Height (mm)	Weight (kg)
12V7Ah	12	7				30	151	65	94	100	2.0
12V18Ah	12	18				14	181	77	164	168	5.4
12V28Ah	12	28				12	175	166	119	125	8.4
12V42Ah	12	42	13.50 V/block	14.40 V/block	$0.1C_{10}A$	8.5	196	166	159	170	13.7
12V65Ah	12	65				7	350	167	172	174	20.9
12V100Ah	12	100				4	330	176	217	226	30
12V120Ah	12	120				3.62	375	174	219	224	34.8
12V200Ah	12	200				3	522	234	218	223	59

ISO 9001: 2015

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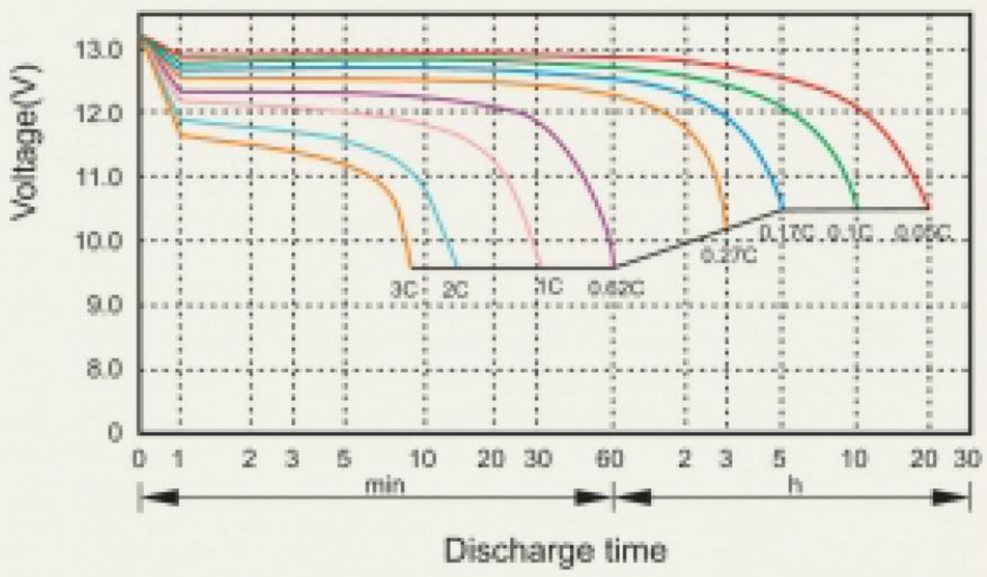
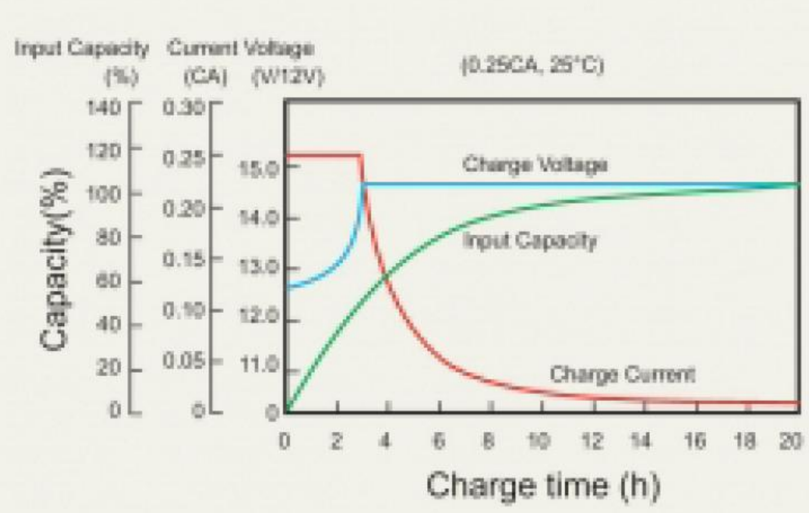
Discharge Data

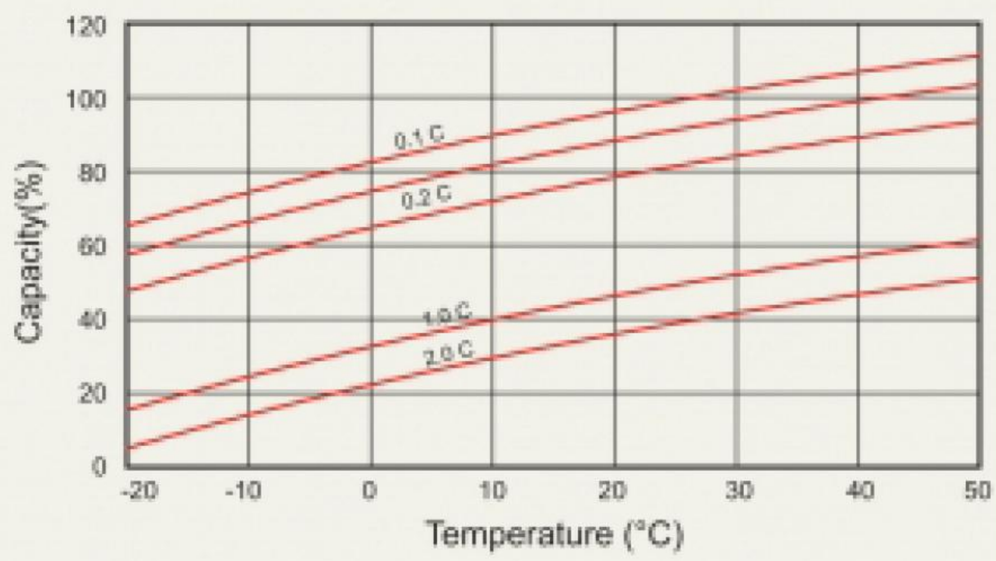
Battery Type	Discharge Current Rates-Amperes (25°C)			
	C1	C3	C5	C10
12V7Ah	4.34	1.85	1.21	0.7
12V18Ah	11.23	4.60	3.16	1.8
12V28Ah	16.22	6.95	4.51	2.8
12V42Ah	26.12	10.45	7.05	4.2
12V65Ah	40.45	16.45	11.18	6.5
12V100Ah	62.00	25.65	17.10	10.0
12V120Ah	72.50	30.60	20.45	12.0
12V200Ah	121.20	50.65	34.04	20.0
End Voltage	1.60	1.65	1.70	1.75



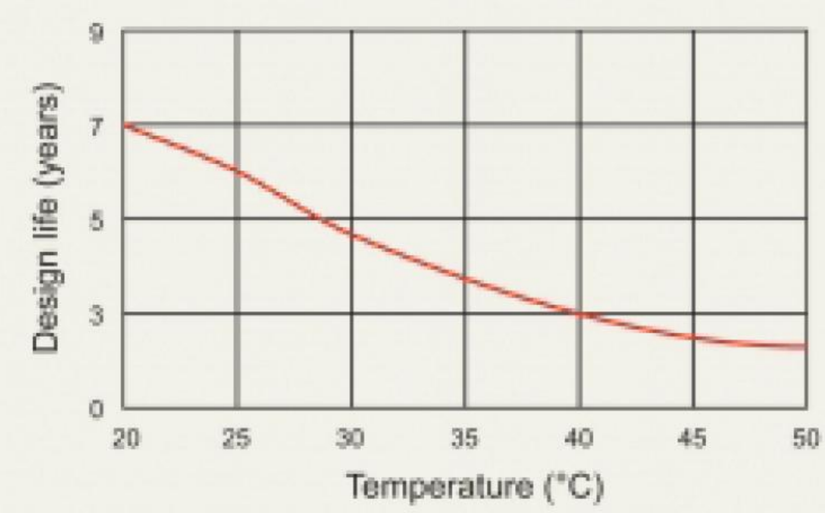
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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