

NILE BATTERY



NPG Series 12 Volt

Version: 4

Technical features

- 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

Range summary

- 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

Product Characteristics

- IEC 61056-1/2
- GB/T 19639.1-2005 certified
- JIS C8702-1/2:2009 compliance
- UL & CE certified

Product Characteristics

- 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

NILE Battery series specification

Battery Type	Nominal Voltage (V)	Nominal Capacity (Ah, 25°C)		Float Voltage (25°C)	Equalize Voltage (25°C)	Internal Resistance (mΩ)	Dimension (mm)				Weight (kg)
		C1	C10				L	W	H	TH	
12V7NP	12	4.60	7	2.27	2.45	30	151	65	94	98	2.1
12V12NP	12	7.60	12			15	151	99	93	99	3.6
12V18NP	12	11.7	18			14	181	76	166	166	5.3
12V26NP	12	16.7	26			12	166	175	125	125	8
12V42NP	12	27.2	42			8.5	196	165	165	170	12.9
12V65NP	12	40.8	65			7	314	166	169	174	20.2
12V100NP	12	63.5	100			4	330	174	217	226	29.8
12V120NP	12	75.6	120			3.62	375	174	219	224	34.8
12V200NP	12	124	200			3	522	234	218	223	59

Battery Type	Nominal Voltage (V)	Nominal Capacity (Ah, 25°C)		Float Voltage (25°C)	Equalize Voltage (25°C)	Internal Resistance (mΩ)	Dimension (mm)				Weight (kg)
		C1	C10				L	W	H	TH	
12V65NG	12	46.5	65	2.27	2.45	4.7	350	167	179	179	22
12V75NG	12	54.5	75			4.5	261	171	209	217	24
12V100NG	12	71.7	100			4.2	330	174	217	225	29.9
12V120NG	12	86.1	120			3.8	407	173	222	231	37.2
12V150NG	12	97.5	150			3	483	171	219	227	45.7
12V200NG	12	138.0	200			2.7	522	234	218	225	62.5

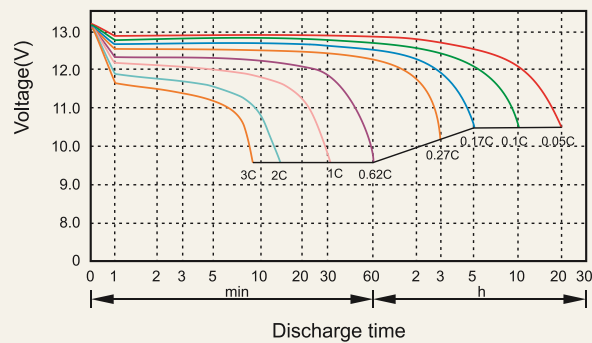


N I L E B A T T E R Y

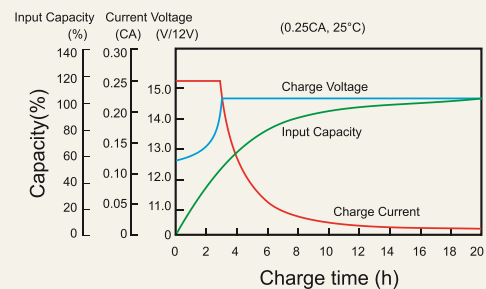
NILE BATTERY

Battery Type	Discharge Current Rates-Amperes (25°C)				
	C1	C1	C3	C5	C10
12V7NP	4.64	2.66	1.95	1.28	0.7
12V12NP	7.67	4.19	2.92	1.93	1.2
12V18NP	11.73	6.82	4.98	3.23	1.8
12V26NP	16.72	9.55	7.03	4.71	2.6
12V42NP	27.20	15.39	10.77	7.20	4.2
12V65NP	40.87	22.85	16.67	11.28	6.5
12V100NP	63.50	36.90	26.20	17.20	10.0
12V120NP	75.60	43.64	31.24	20.75	12.0
12V200NP	124.0	73.40	51.30	34.40	20.0
End Voltage	1.60	1.65	1.70	1.75	1.80

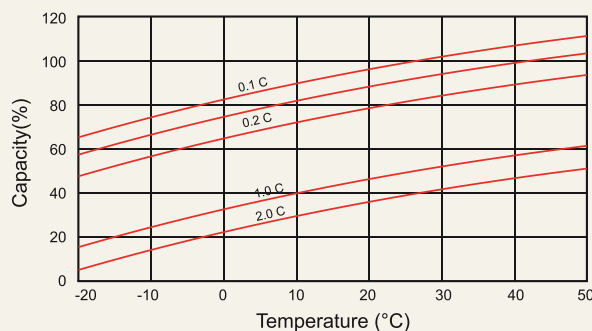
Battery Type	Discharge Current Rates-Amperes (25°C)				
	C1	C1	C3	C5	C10
12V65NG	46.5	25.6	17.6	11.1	6.5
12V75NG	54.5	31.5	21.5	12.6	7.5
12V100NG	71.7	40.8	29.2	16.7	10
12V200NG	138	81.6	54.2	34.6	20
End Voltage	1.6	1.65	1.7	1.75	1.8



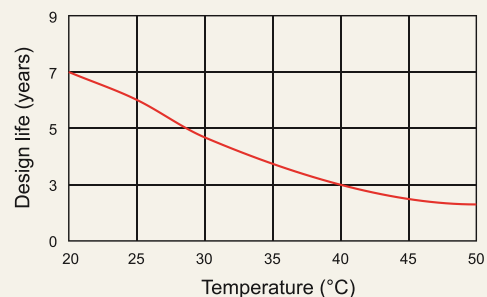
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature