NS Accelerate

NIPRESS

INDUSTRIAL BATTERY

SPECIFICATIONS

Item	NSGF 12-100H
Cell per unit	6 cell
Nominal voltage	12 V
Capacity	100 Ah at 10hr-rate to 1.8 V per cell at 25ºC
Weight	Approx. 33.0 Kg (±2%)
Max. Discharge current	1000 A (5 sec)
Internal resistance	Approx. 5mΩ
Operating Temperature range	Discharge : -20ºC ~ 60ºC Charge : 0ºC ~ 50ºC Storage : -20ºC ~ 60ºC
Normal Operating Temperature Range	25ºC ± 5ºC
Float charging voltage (average @ 25ºC)	13.5 to 13.8 VDC/unit Average @ 25ºC
Recommended Maximum charging current limit	31.5 A
Equalization and cycle service (average @ 25 ºC)	14.4 to 14.7 VDC/unit Average @ 25ºC
Self discharge	**NSGF** batteries can be stored for more than 6 months @ 25ºC Self-discharge ratio less than 3% per month @ 25ºC. Please charge batteries before using
Dimensions	L: 394 W: 110 H: 285 TH: 285
Container and cover material	A.B.S. (UL94-HB) Flammability resistance of UL94-VO can be available upon request.

NSGF 12-100H

Gel Deep Cycle Battery

NSGF 12-100H is a front terminal with gel type battery specially designed for Telecom use with 12+ years design life. NSGF type also comply with IEC 60896-21/22, standard battery for telecommunication. The adoption of Centralized venting system makes sure the battery can be installed in any location, and guarantees high security and reliability.

Constant Current Discharge Characteristics: A (25˚C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
10.8	264.31	196,87	156,87	103,48	61,41	34,52	24,76	20,51	16,79	11,80	10,00	5,10

Constant Power Discharge Characteristics: W (25˚C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
10.8	2794.90	2113.75	1700.50	1119.10	707.47	401.38	289.09	238.83	197.32	137.75	113.62	59.81

MAINTENANCE & CAUTIONS

Float Service:

※ Every three months, recommend equalization charge for one time.

Equalization charge method:

Discharge: 100% rate capacity discharge.

Charge: Max. current 0.2C_{10}, constant voltage 2.4-2.5V /Cell charge 24h.

※ Effect of temperature on float charge voltage: -3mV/℃/Cell.

※ Length of service life will be directly affected by the number of discharge cycles, depth of discharge, ambient temperature and charging voltage.

APPLICATION

- Telecom
- UPS
- Communication Equipment
- Medical Equipment
- Control Equipment

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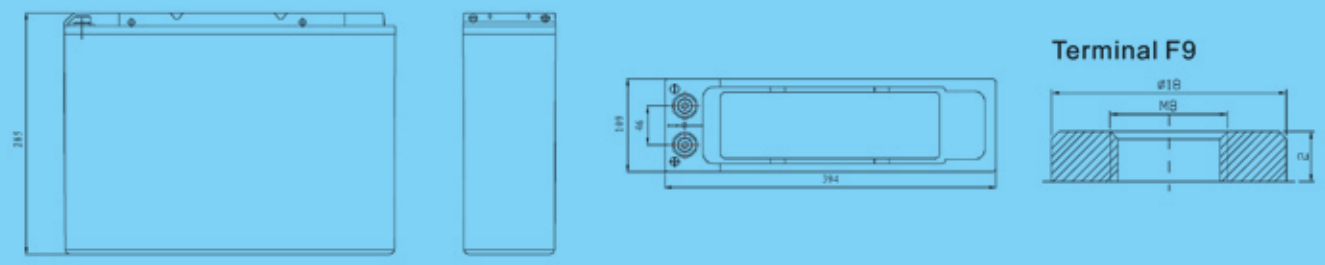
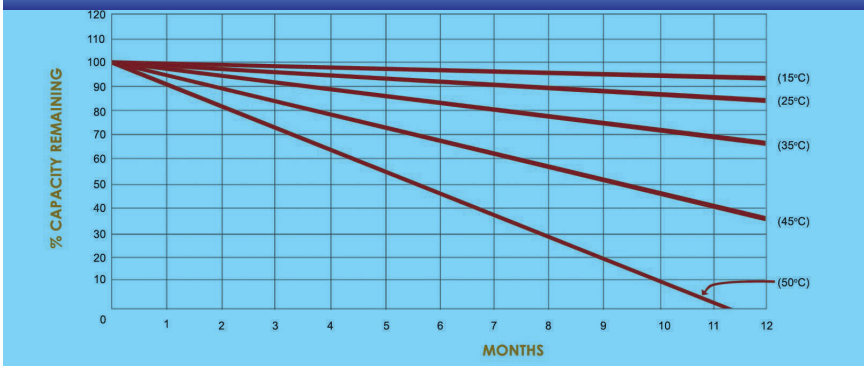
DIMENSION

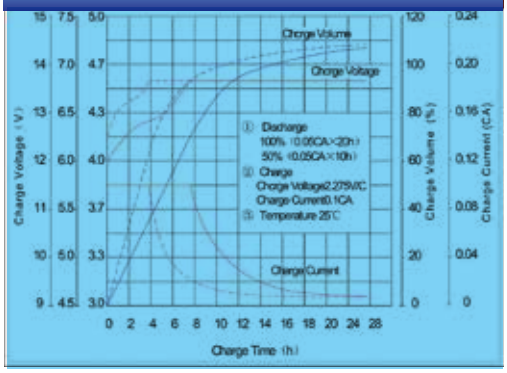
Unit: mm Dimension: 394(L)×109(W)×285(H)



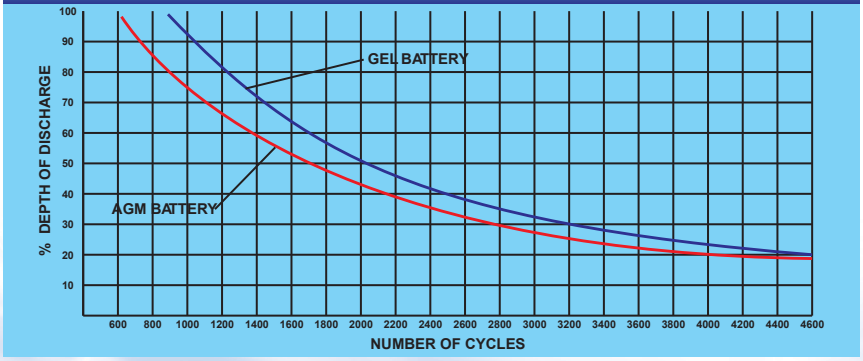
Self Discharge Characteristics (NSGF)



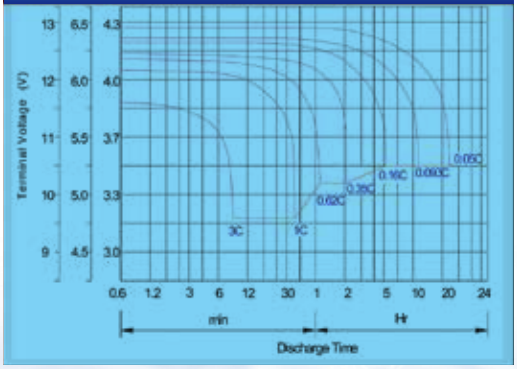
Charge Characteristic Curve for standby use



NSGF (Front Terminal)



Discharge Characteristic Curve



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