NS Accelerate

NIPRESS

INDUSTRIAL BATTERY

OPzV 2-1000
Tubular Battery

OPzV series is a Valve Regulated Lead Acid (VRLA) battery that adopts immobilized GEL and Tubular Plate technology to offer high reliability and performance. The Battery is designed and manufactured according to DIN standards and with die-casting positive grid and patent formula of active material. OPzV series exceeds DIN standard values with more than 20 years floating design life at 20 ^{0}C and is even more suitable for cyclic use under extreme operating conditions.

SPECIFICATIONS

Item	OPzV 2-1000
Nominal Voltage	2V(single cell)
Capacity	1000Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 77.0 Kg
Dimension	233(L)×210(W)×681(H)
Max. Discharge Current	4000 A (5 sec)
Internal Resistance	Approx. 0.27 mΩ
Operating Temperature Range	Discharge: -40°C~70°C Charge: 0°C~50°C Storage: -20°C~60°C
Optimal Operating Temperature Range	25°C±5°C
Float charging Voltage	2.25 to 2.3 VDC/unit Average at 25°C
Maximum Charging Current	200 A
Cycle Use	DOD 80% 2200 cycle
Cycle Service	2.37 to 2.40 VDC/unit Average at 25°C
Self Discharge	Self-discharge ratio less than 2% per month at 25°C. Please charge batteries before using.
Terminal	Thread insert & Bolt (F10-M8)
Container Material	A.B.S. (UL94-HB), and UL94-V0 is optional

Constant current Discharge Characteristics: A (25°C)

F.V/Time	30min	1h	2h	3h	5h	8h	10h
10.8V	700.0	520.0	332.0	242.5	166.0	116.4	100.0

APLICATION

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

MAINTENANCE & CAUTIONS

Float Service:

※ Every month, recommend inspection every battery voltage.

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

Equalization charge method:

Discharge: 40~50% rate capacity discharge.

Charge: Max. current 0.2CA, constant voltage 2.35-2.40V/Cell charge 24h.

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

※ Service life will be directly affected by the number of discharge cycles, depth of discharge, ambient temperature and charging method.

※ Cable connector from Cu 50 mm2 & Isolation.

NS Accelerate

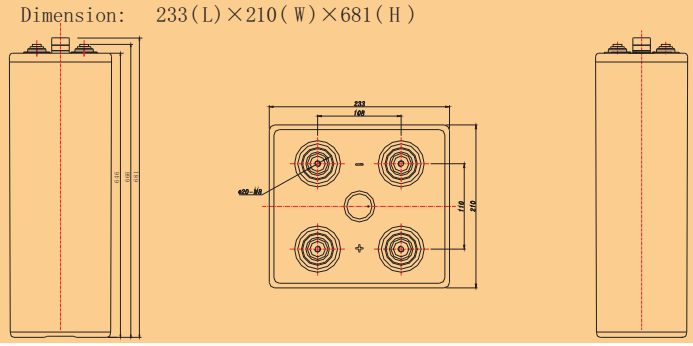
NIPRESS

INDUSTRIAL BATTERY

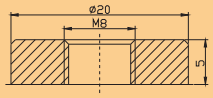
DIMENSION

Unit: mm

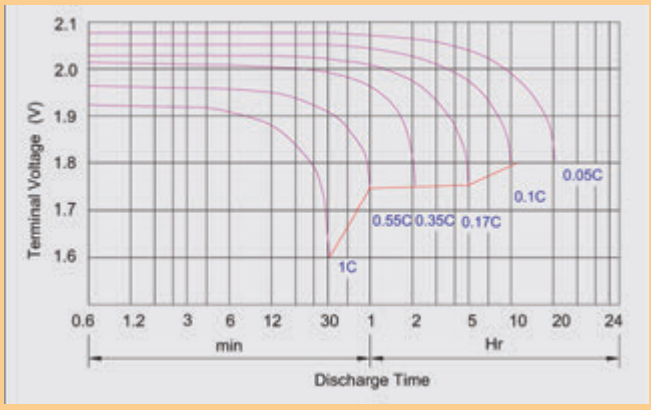
Dimension: 233(L)×210(W)×681(H)



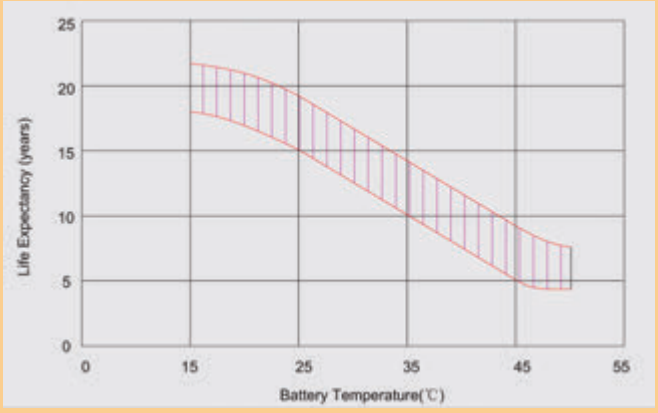
Terminal F10



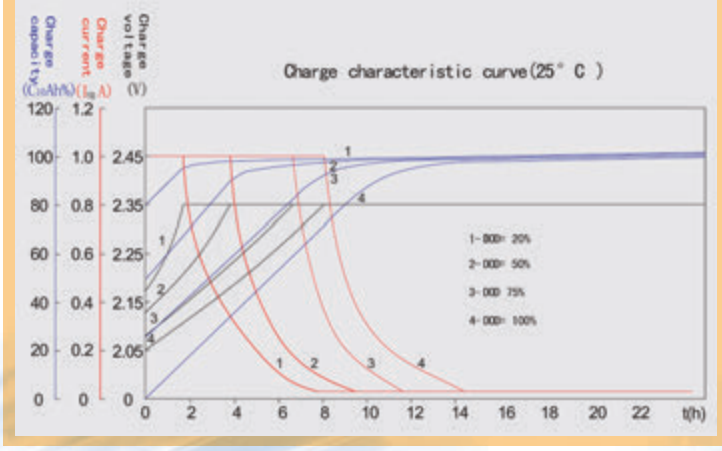
Discharge characteristic curve



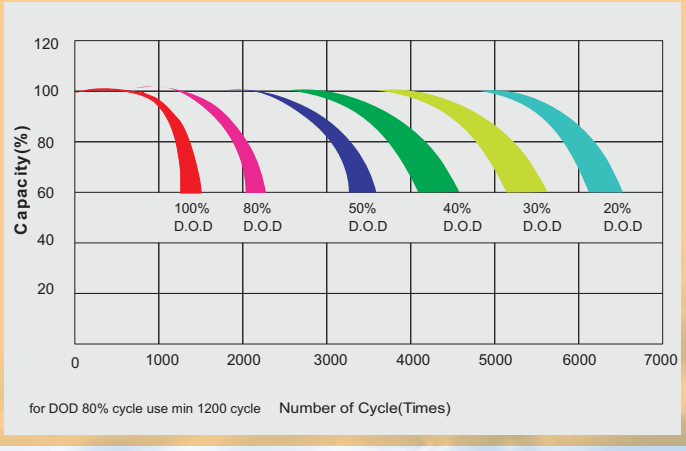
Effect of temperature on long term float life



Charge characteristic Curve for cycle use



Life charcteristics of cyclic use



PT. NIPRESS, Tbk.
Jl. Raya Narogong Km. 26 Cileungsi Bogor 16820 Indonesia
Telp. +62 21 823 0968 ; Fax +62 21 823 0935
www.nipress.com