NP Series

NP12150 12V150AH

NTOKOZO ENERGY GROUP

NP Series VRLA battery uses AGM technology and high-purity raw materials. Its good floating back up and large current discharge performance makes it optimal and economical choice UPS/EPS.



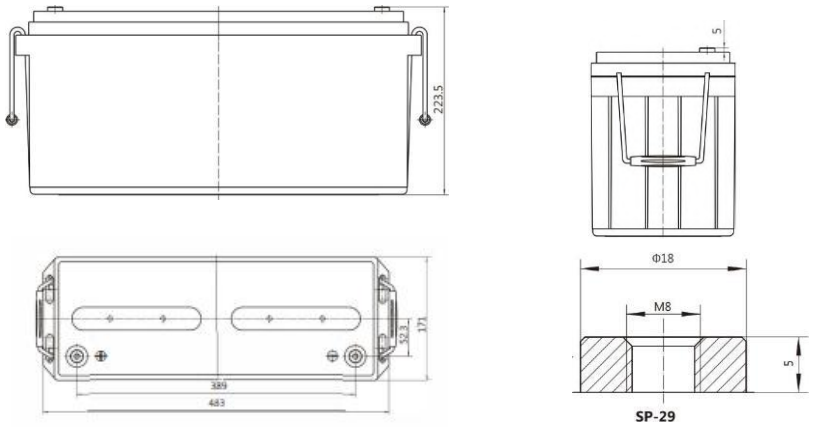
Benefits

- 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

Applications

- UPS units
- Emergency power
- Starting generators
- EPS units

Drawing



Standards

- IEC 60896-21/22
- JIS C8704-1/2
- EUROBAT guide

Specifications

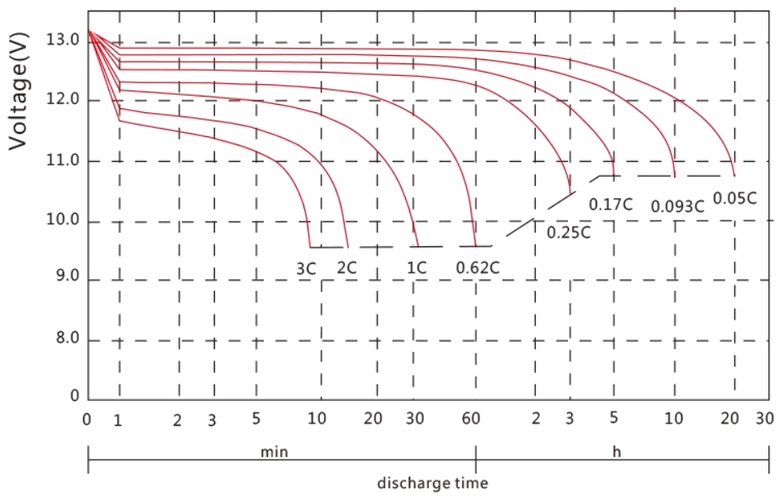
Battery Model	NP12150			
Design Life (years, 25°()	10			
Capacity (Ah, 25°()	20HR(76A, 180V) 152	IOHR (15OA, 180V) 150	SHR (25SA, 175V) 1275	1HR(84OA, 170V) 84
Dimensions (mm)	Length	Width	Height	Total Height
	483	171	2185	2235
Approx Weight (kg)	**41.5**			
Reference Internal Resistance (mO)	3.5 (full charged @25°()			
Maximum Discharge Current (A/5 Sec)	1500			
Self-Discharge (2S'C)	.;;;2% per month			
Charge Voltage (V/cell, 25°()	Cycle use 2.40 (-3SmV/°C/cell), max charge current 45A		Float use 227 (-3SmVfC/cell)	
Short Circuit Current (A)	3400			

Specification

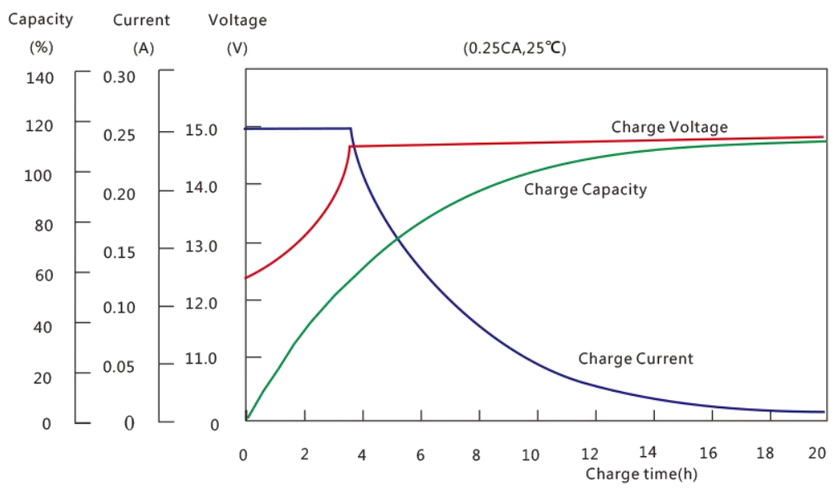
Constant Current Discharge Data (25°C, A)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	307.0	235.0	177.0	140.0	110.0	88.4	65.8	52.10	40.80	26.30	15.50	7.85
1.65	300.0	229.0	172.0	136.0	106.0	86.4	64.3	50.90	40.30	26.10	15.40	7.80
1.67	295.1	226.0	169.3	133.3	104.7	85.4	63.6	50.35	39.90	26.04	15.36	7.78
1.70	289.0	222.0	166.0	130.0	103.0	84.0	62.6	49.60	39.50	25.90	15.30	7.75
1.75	273.0	213.0	161.0	126.0	99.6	82.5	61.0	48.60	38.60	25.50	15.20	7.70
1.80	253.0	200.0	152.0	121.0	95.7	76.0	59.5	47.30	37.50	24.90	15.00	7.60

Constant Power Discharge Data (25°C, W)												
End Voltage (V/cell)	min					h						
	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	538.0	433.0	330.0	264.0	198.0	160.0	128.0	100.00	76.80	49.50	28.90	15.00
1.65	525.0	422.0	321.0	257.0	193.0	157.0	125.0	98.90	76.10	49.00	28.70	14.90
1.67	517.5	415.3	317.1	254.0	191.4	156.3	124.7	98.45	75.80	48.88	28.65	14.86
1.70	508.0	407.0	312.0	250.0	189.0	155.0	124.0	97.60	75.40	48.60	28.60	14.80
1.75	484.0	392.0	301.0	242.0	185.0	151.0	122.0	96.00	74.70	48.10	28.50	14.70
1.80	433.0	372.0	288.0	234.0	180.0	146.0	118.0	94.60	73.60	47.50	27.20	14.50

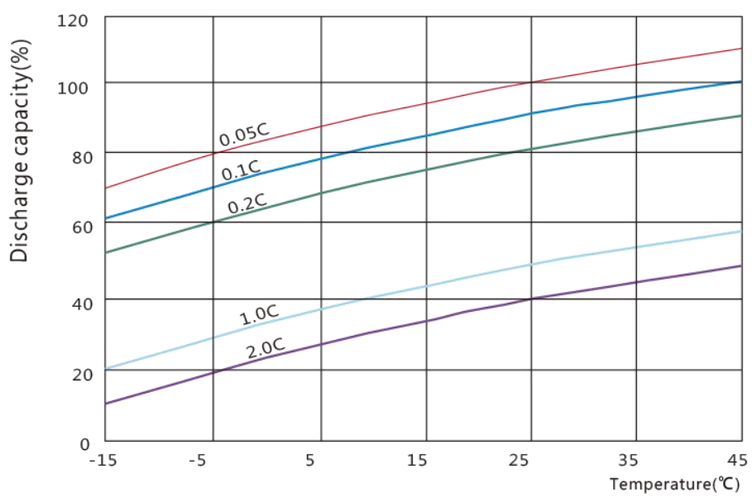
Performance Curve



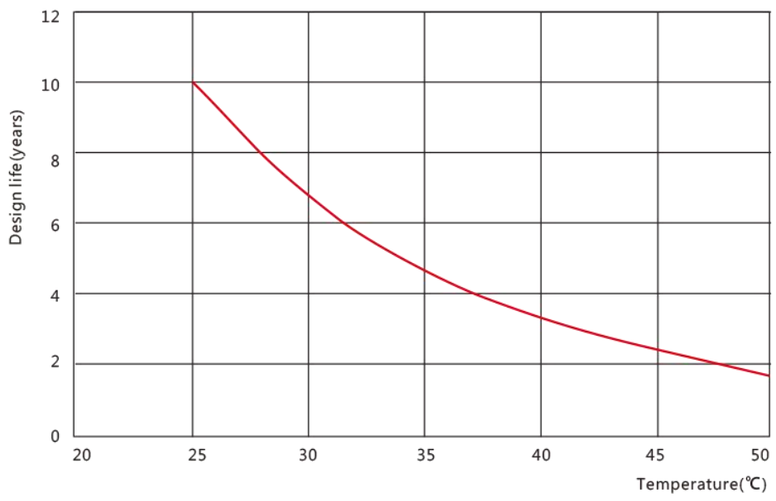
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

ISO9001 ISO14001 ISO18001 SA8000