

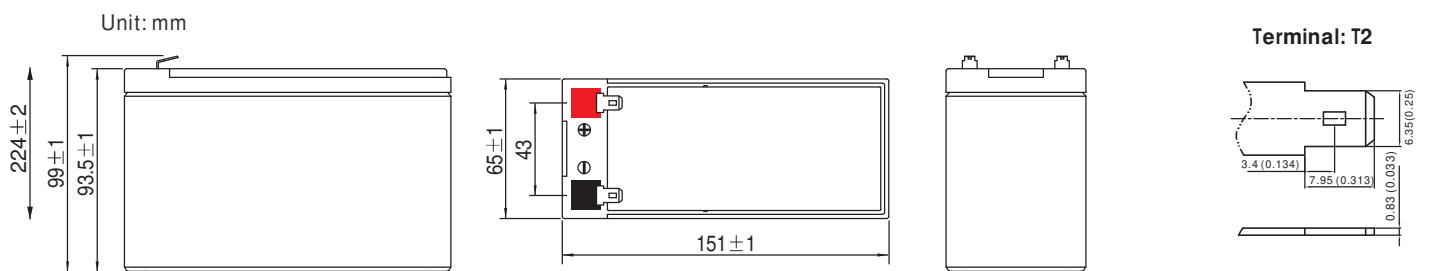
NCP 12-36

NCP 12-36 is a VRLA battery that uses the most advanced technology of fast punched thin plate (FPTP) for punching grid batteries. Compared to traditional technology, FPTP has higher speed, simplified technology, more energy efficiency, it is environmentally friendly and it has higher consistency of product. It meets with IEC 60896-21, 60896-22, JIS standards.



Physical Characteristics		Technical Characteristics	
Nominal Voltage	12V	Internal Resistance	Approx. 20,0 mΩ
Nominal Capacity (10hrs)	8,2Ah at 180V/cell 36,0Watts/cell at 1,67V/cell	Recommended Charging Current at 20C	2,4A
Dimension LxWxH	151x 65 x 99 +/-2mm	Float charging Voltage	13,5 to 13,8 VDC/unit Average at 20C
Weight	Approx 2,40 kg	Equalization and Cycle Service	14,4 to 15,0 VDC/unit Average at 20C
Standard Terminal	T2	Max Discharge Current	105A (5sec)

Dimensions



Constant Current & Power Discharge Characteristics: Amperes (25C) / Watts/cell (25C)

Final Voltage	Time	5min	10min	15min	20min	30min	45min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	8Hr	10Hr	20Hr
1,85V/cell	A	23.5	18.0	14.6	12.2	8.88	6.26	4.87	2.72	1.94	1.55	1.30	1.15	0.90	0.749	0.418
1,80V/cell	A	25.9	19.9	16.0	13.4	9.55	6.76	5.26	2.92	2.09	1.67	1.40	1.25	0.99	0.820	0.436
1,75V/cell	A	30.8	22.5	18.1	14.5	10.2	7.14	5.53	3.06	2.17	1.72	1.43	1.27	1.00	0.828	0.439
1,70V/cell	A	32.6	23.4	18.8	14.9	10.5	7.34	5.71	3.14	2.23	1.75	1.46	1.29	1.02	0.836	0.443
1,67V/cell	A	35.0	24.5	19.5	15.4	10.9	7.62	5.90	3.22	2.27	1.78	1.48	1.30	1.03	0.841	0.444
1,60V/cell	A	36.7	25.4	20.0	15.8	11.1	7.75	6.02	3.28	2.31	1.80	1.49	1.31	1.04	0.848	0.446
1,85V/cell	W	44.4	34.4	28.1	23.9	17.5	12.4	9.74	5.47	3.92	3.14	2.63	2.28	1.80	1.50	0.840
1,80V/cell	W	48.3	37.7	30.6	26.0	18.7	13.4	10.5	5.84	4.21	3.38	2.84	2.47	1.97	1.64	0.872
1,75V/cell	W	56.6	42.0	34.4	27.8	19.9	14.0	11.0	6.10	4.36	3.45	2.89	2.51	1.99	1.65	0.878
1,70V/cell	W	59.0	43.2	35.2	28.3	20.3	14.3	11.3	6.24	4.46	3.52	2.95	2.54	2.01	1.66	0.885
1,67V/cell	W	62.2	44.4	36.0	28.9	20.8	14.8	11.6	6.38	4.52	3.56	2.98	2.56	2.01	1.67	0.886
1,60V/cell	W	63.8	45.3	36.2	29.3	21.0	14.9	11.7	6.44	4.57	3.58	2.99	2.58	2.04	1.68	0.890

Capacity factors with different temperature

BATTERY TYPE		-20C	-10C	0C	5C	10C	20C	25C	30C	40C	45C
GEL BATTERY	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM BATTERY	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%