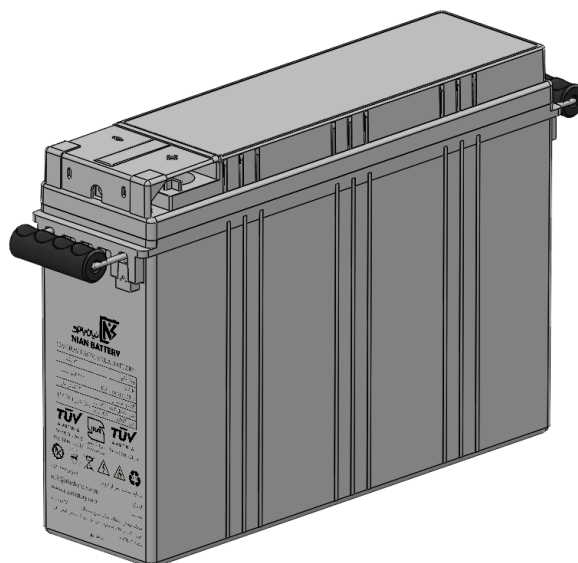


FT12V-100Ah VRLA



Nominal voltage	12V			Certifications: ISO9001-2015 ISO14001-2015 ISO45001-2018 Standards: IEC60896-2004 INSO-4868-21/22
Capacity	100 Ah @ 10hr to 1.80V per cell @ 25°C			
Dimensions (mm)	Length	Width	Height	
	૩૮૮	૧૦૦	૨૪૦	
Approx. weight (Kg)	29			
Internal resistance (mΩ@ 25°C)	4.3			
Maximum discharge current (A/3 sec)	799			
Self-discharge (25°C)	≤ 3% per month after storage			
Operating temperature range	Discharge: −10°C ~50°C Charge: −20°C ~45°C Storage: −20°C ~30°C			
Optimal operating temperature range	17°C ~25°C			
recommended charge current (A) 25°C	20			
Charge voltage (V/cell, 25°C)	Float use	Cycle use		
	2.25 (−3.5 mV/°C/cell)	2.35-2.4 (−3.5 mV/°C/cell)		
Container material	ABS (flame retardant available on request)			
Terminal type	M8			
Capacity affected by temperature	105 % @ 40°C 85 % @ 0°C 60 % @ −20°C			

Certifications:
ISO9001-2015
ISO14001-2015
ISO45001-2018

Standards:
IEC60896-2004
INSO-4868-21/22

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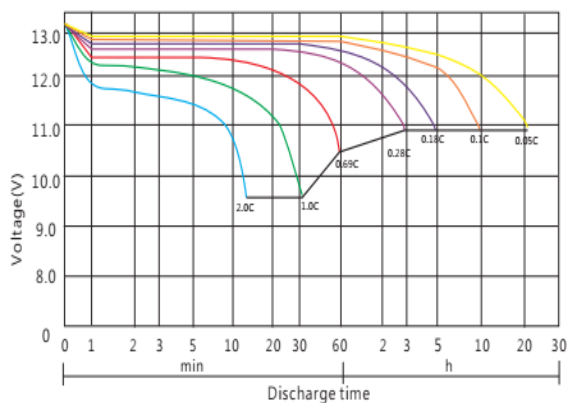
FT12V-100Ah VRLA

Constant current discharge data (25°C, A)

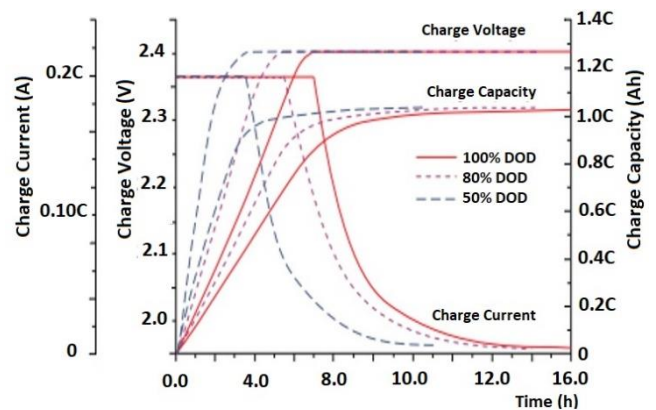
End voltage (V/cell)	5min	10min	15min	30min	45min	1hour	2hour	3hour	4hour	5hour	6hour	8hour	10hour	20hour
1.6	261.10	208.90	172.60	118.30	82.47	62.81	37.53	27.74	21.00	17.39	14.92	11.31	10.40	5.58
1.65	244.00	191.30	163.60	110.80	75.81	59.46	36.68	27.27	20.80	17.29	14.82	11.26	10.24	5.53
1.7	224.30	172.10	150.80	103.40	70.28	54.16	35.73	26.70	20.52	17.10	14.63	11.17	10.14	5.50
1.75	206.80	157.80	141.80	99.15	68.53	52.79	35.16	26.41	20.23	16.82	14.44	11.12	10.08	5.46
1.8	184.40	146.60	130.50	91.14	61.54	48.92	34.17	25.50	19.80	16.00	14.25	10.93	10.00	5.39

Constant power discharge data (25°C, W/cell)

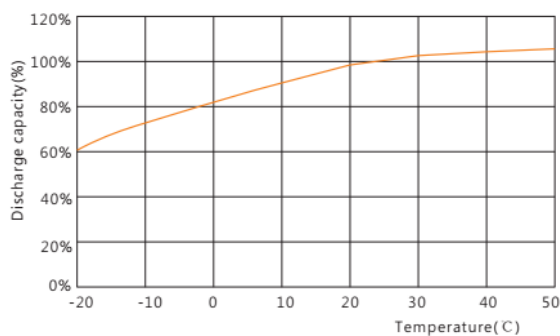
End voltage (V/cell)	5min	10min	15min	30min	45min	1hour	2hour	3hour	4hour	5hour	6hour	8hour	10hour	20hour
1.6	443.30	389.50	327.80	204.30	148.20	125.40	71.73	52.73	40.19	33.25	28.69	21.57	20.00	10.34
1.65	424.50	370.50	308.80	194.75	143.50	123.50	71.16	52.06	39.90	33.16	28.50	21.52	19.60	10.30
1.7	403.40	357.20	292.60	188.10	139.70	121.60	70.21	51.30	39.71	32.97	28.22	21.45	19.00	10.24
1.75	380.00	334.40	278.40	179.60	134.90	117.80	69.83	50.83	39.43	32.68	28.03	21.38	18.60	10.19
1.8	353.60	314.60	262.20	172.00	130.20	114.00	68.97	49.42	38.84	31.17	27.84	21.28	18.00	10.12



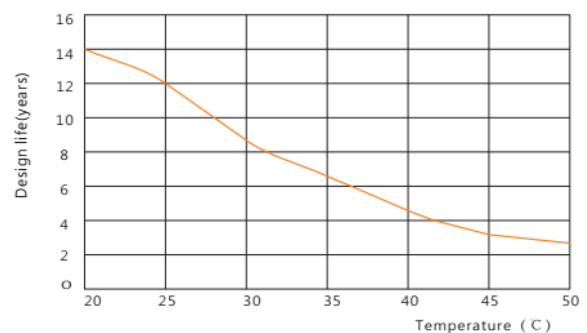
Discharge voltages vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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