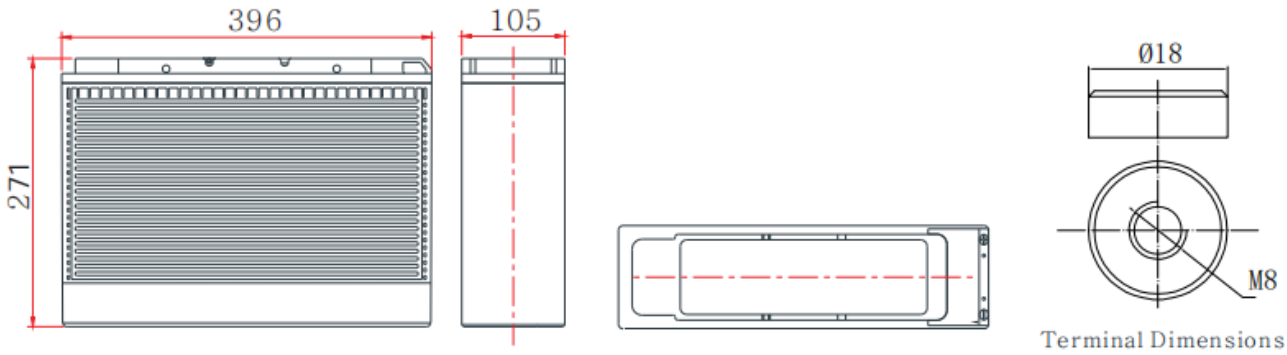
JF Series lead-acid battery JF12-95(QN)

General Features

▶ Narrow structure and front terminal design, suitable for 19-inch and 23-inch standard cabinets
▶High corrosion resistant performance: Pb-Ca multi-alloy grid
▶ Excellent charge acceptance ability
▶ Excellent deep cycle discharge capability
▶Strong high and low temperature performance
▶ Precision sealing technology
▶Long life

Dimension:396(L)×105(W)×271(H)×271(TH)/(±3mm) **Unit: mm**



Terminal Dimensions

Specification	
Nominal Voltage	12V
Nominal Capacity	95Ah@10hour-rate to 1.80V per cell @25℃
Design life	12 years
Terminal	M8
Approx. Weight	Approx28.5kg±3% (62.8 ±3% lbs)
Container Material	ABS(UL94-HB, UL94-V0 Optional)
short-circuit current	2181A
Internal resistance(Full charged at 25°C:)	5.5 mΩ
Self discharge	3% of capacity declined per month at 25°C
Operating Temperature	
Discharge:	-20 ~50℃(-4~ 122°F)
Charge :	-20 ~50℃(-4~ 122°F)
Storage:	-20 ~50℃(-4~ 122°F)
Charge Method (2 5 ° C)	
Charge current:	Max. 23.75A;Recom.9.5A
Float charge:13.5-13.8V	recom.13.8V(-18mV/ °C)
Equalize charge:13.8-14.1V	recom.14.1V(-24mV/ °C)
Cycle charge:14.4-15.0V	recom.14.7V(-30mV/ °C)

Standards

Executive standard: IEC 60896-21/22、GB/T 19638.1-2014

Applications

▶ UPS/EPS
▶ Power systems
▶Telecom outdoor integration site
▶Emergency lighting、Auto control system
▶Solar/wind generating storage cyclic
▶Other general purpose

Rated Capacity

10Hour Rate (9.50A to 10.8V)	95.0Ah
3Hour Rate (25.3 to 10.2V)	75.9Ah
1Hour Rate (60.1A to 9.6V)	60.1Ah

Attain Certificate

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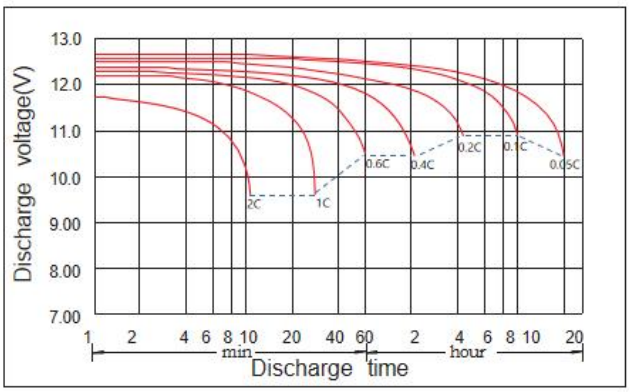
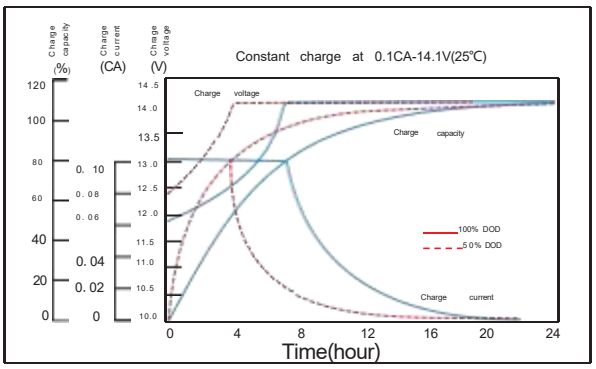
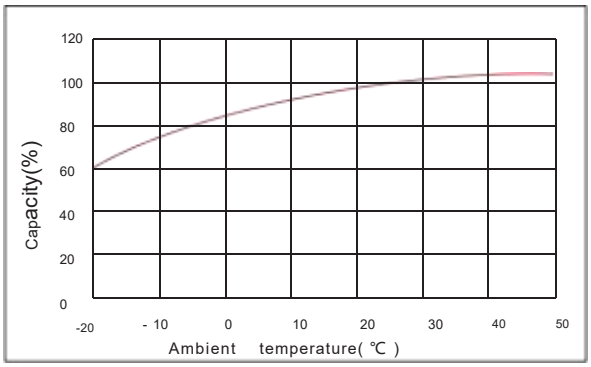
Discharge characteristic



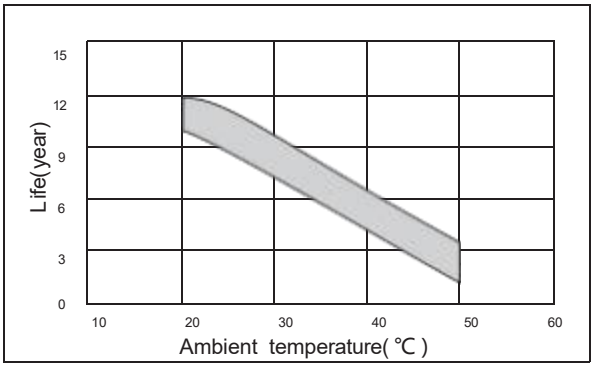
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



Constant Current Discharge Characteristics Unit:A (25℃,77℉)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	170.9	102.5	76.2	60.1	44.6	35.6	26.8	21.6	18.4	15.6	12.0	10.0	5.24
1 65V	164.2	98.4	73.1	57.7	43.3	34.8	26.0	20.9	17.9	15.4	11.9	9.90	5.16
1.70V	153.8	94.0	69.9	55.3	41.6	33.3	25.3	20.4	17.4	15.1	11.7	9.75	5.11
1.75V	143.1	89.0	66.8	53.6	39.9	32.2	24.5	19.9	17.0	14.7	11.6	9.62	5.08
1 80V	134.8	86.5	64.4	51.3	38.0	31.2	24.2	19.3	16.6	14.3	11.4	9.50	5.03
1.85V	111.8	73.2	56.2	45.1	34.3	27.6	21.3	17.5	15.1	13.0	10.7	8.76	4.83

Constant Power Discharge Characteristics Unit: W/cell (25℃,77℉)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	300.2	186.1	138.6	110.0	82.6	65.5	50.6	40.4	34.5	30.0	23.5	19.7	10.3
1 65V	291.3	180.6	134.1	106.9	80.5	64.4	49.8	39.5	33.8	29.7	23.3	19.5	10.2
1.70V	276.9	174.3	132.5	104.1	79.4	62.3	47.7	38.6	33.0	29.1	23.0	19.2	10.1
1.75V	261.4	168.3	127.1	101.9	77.2	60.7	47.4	37.7	32.3	28.4	22.7	19.0	10.0
1 80V	247.2	162.5	122.3	97.7	73.2	59.7	46.1	37.3	31.6	28.0	22.4	18.8	9.96
1.85V	206.0	141.4	108.6	87.3	68.0	54.6	41.4	34.3	29.5	25.6	21.1	17.7	9.38

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