FAT95-12

12-Volt,95AH@20HR

Valve Regulated Lead-Acid Battery

Designed for telecom applications

Life Expectancy:	Application
Expected trickle life: 10 years at 20°C.	Floating

Specifications

Nominal Voltage	12V(6 cells per unit)	
Rated Capacity	95AH @20HR-Rate to 1.75V per cell@25℃	
	88.4AH @10HR-Rate to 1.80V per cell@25℃	
	86AH @8HR-Rate to 1.75V per cell@25℃	
Weight	Approx.29.2kg (64.37lbs.)	
Max. Short-Duration Discharge Current	950 A (5S)	
Internal Resistance of charged battery	Approx. 3.3mΩ	
Short Circuit Current	3750A	
Operating Temperature Range		
Nominal Operating Temperature	+74°F (23°C) to +80°F (27°C)	
Discharge	-15℃ ~+ 50℃	5℉~122℉
Charge	-15℃ ~ +40℃	5℉~104℉
Storage	-15℃ ~ +40℃	5℉~104℉
Self Discharge Rate @ 25℃	<3% per month	
Capacity affected by Temperature (20 hour rate)	40℃(104℉)	102%
	25℃(77℉)	100%
	0℃(32℉)	85%
	-15℃(5℉)	65%

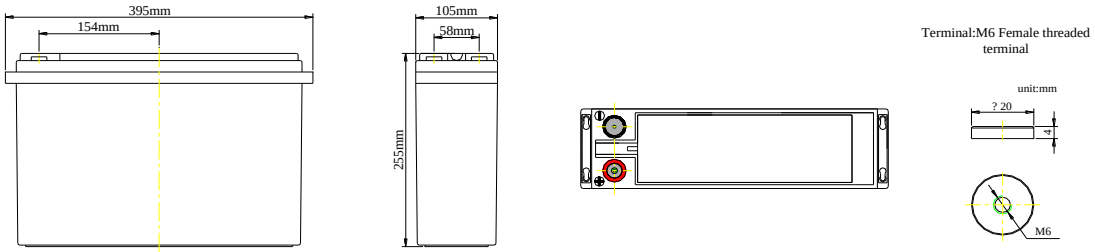
Mechanical Specifications

Overall Height (H)		266mm	10.47"
Container Height (h)		255mm	10.04"
Length		395mm	15.55"
Width		105mm	4.13"
Terminal		M6 Female threaded terminal	
Terminal Torque		50-70 in-lbs	
Container Material	**Standard**	ABS (UL 94-HB)	
	Optional	ABS Flame Retardant (UL94-VO)	
Plates		Flat Pasted	
Gelled/Absorbed		AGM	
Mounting Orientation		Vertical	

Charge Characteristics

Float Charging Voltage	13.5 to 13.8 VDC/unit @77°F (25°C)
Normal Charge (Amperes)	C/10 amperes @ 20 hour rate
Max. Charge (Amperes)	C/5 amperes @ 20 hour rate
Charging Temperature Compensation	-3mV/cell/℃
CAUTION ： Do not charge in a sealed container.	

DIMENSIONS (All units shown in mm)



Constant Power discharge (Watts per cell @ 25℃)

Cut off voltage V/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.67V	530	370	295	184	133	110	61.2	45.7	31.4	20.95	16.97	14.31	7.94
1.70V	509	363	291	180	132	109	60.7	45.4	31.2	20.78	16.94	14.26	7.89
1.75V	490	347	282	176	131	108	60.4	45.3	31.1	20.64	16.83	14.16	7.86
1.80V	449	331	272	171	127	105	60.2	44.9	31.0	20.46	16.60	14.00	7.82

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.