



FAT160-12

12-Volt,160AH@20HR

Valve Regulated
Lead-Acid Battery

Designed for telecom
applications

Life Expectancy:

Expected trickle life: 10 years at 20°C.

Specifications

Nominal Voltage	12V(6 cells per unit)
Rated Capacity	160AH @20HR-Rate to 1.75V per cell@25°C
	146AH @10HR-Rate to 1.80V per cell@25°C
	144AH @8HR-Rate to 1.75V per cell@25°C
Weight	Approx.47.5kg (104.72lbs.)
Max. Short-Duration Discharge Current	1200 A (5S)
Internal Resistance of charged battery	Approx. 3.3mΩ
Short Circuit Current	4000A

Operating Temperature Range

Nominal Operating Temperature	+74°F (23°C) to +80°F (27°C)	
Discharge	-15°C ~+ 50°C	5°F~122°F
Charge	-15°C ~ +40°C	5°F~104°F
Storage	-15°C ~ +40°C	5°F~104°F
Self Discharge Rate @ 25°C	<3% per month	
Capacity affected by Temperature (20 hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%

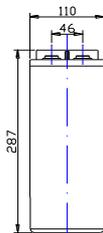
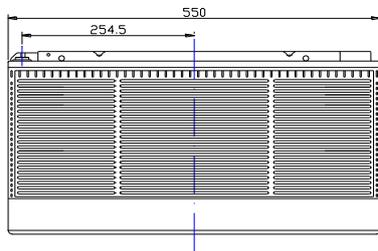
Application

Floating

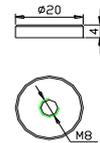
Mechanical Specifications

Overall Height (H)	287mm	11.30"
Container Height (h)	287mm	11.30"
Length	550mm	21.65"
Width	110mm	4.33"
Terminal	M8 Female threaded terminal	
Terminal Torque	60-80 in-lbs	
Container	Standard	ABS (UL 94-HB)
	Optional	ABS Flame Retardant (UL94-VO)
Material		
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/°C	
CAUTION : Do not charge in a sealed container.		

DIMENSIONS (All units shown in mm)



Terminal:M8 Female threaded terminal



Constant Power discharge (Watts per cell @ 25°C)

Cut off voltage V/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.67V	889	621	494	309	224	185	102.9	77.0	52.9	35.34	28.57	24.18	13.35
1.70V	850	613	490	303	222	184	102.2	76.5	52.5	35.02	28.57	24.14	13.30
1.75V	819	585	474	297	221	182	102.1	76.4	52.5	34.74	28.37	23.97	13.23
1.80V	750	557	460	287	214	177	101.8	75.5	52.1	34.54	28.09	23.70	13.16

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