

Power

FTTx Batteries

Batteries for Fiber Applications



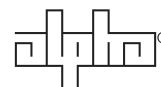
17Ah

12Ah

7.2Ah

- Specifically engineered for long-life float service, standby applications
- One-year typical and three-year warranty option for the 7.2Ah battery
- Qualified with Alpha's FlexPoint and FlexNet battery backup power supplies
- UL recognized component per UL 1989 for standby batteries

Alpha complements the FlexPoint and FlexNet line of battery backup fiber to the home power supplies with long-life maintenance free valve-regulated lead-acid batteries. FTTx 12Vdc batteries are engineered to provide a long and reliable service life in float-service application, where the battery is infrequently called upon to support critical communications service upon loss of utility power. Unlike general purpose and deep cycle batteries that designed for frequent discharges and high energy output, the FTTx float service battery employs a unique chemistry and thicker plates for long life.



Battery Model		Description	Weight		Dimensions		
			kg	(lb)	L	W	H
AX-STDBAT-7	Standard-Life 7.2AH AGM Battery, 1-year Warranty		2.4	5.3	151 (5.94)	65.0 (2.56)	100 (3.94)*
AX-LONGBAT-7	Long-Life 7.2AH AGM Battery, 3-year warranty		2.8	6.2	151 (5.94)	65.0 (2.56)	100 (3.94)*
AX-STDBAT-12	Standard-Life 12AH AGM Battery, 1-year Warranty		3.7	8.1	151 (5.94)	65.0 (2.56)	100 (3.94)*
AX-STDBAT-17	Standard Life 17AH AGM Battery, 1-year Warranty		5.5	12.1	181 (7.13)	76.2 (3.00)	167 (6.57)

7.2Ah Battery @ 25°C

Constant Wattage Performance for 7.2Ah battery (final voltage 1.75Vpc)

Discharge Time	90min	2hr	3hr	4hr	5hr	6hr	7hr	8hr	9hr	10hr	12hr	20hr
Discharge Wattage	35.3	28.0	20.0	16.0	13.2	11.5	10.1	9.1	8.1	7.4	6.3	4.1

12Ah Battery @ 25°C

Constant Wattage Performance for 12Ah battery (final voltage 1.75Vpc)

Discharge Time			3hr	4hr	5hr	6hr	7hr	8hr	9hr	10hr	12hr	20hr
Discharge Wattage			33.4	26.7	22.0	19.2	16.9	15.2	13.5	12.4	10.5	6.8

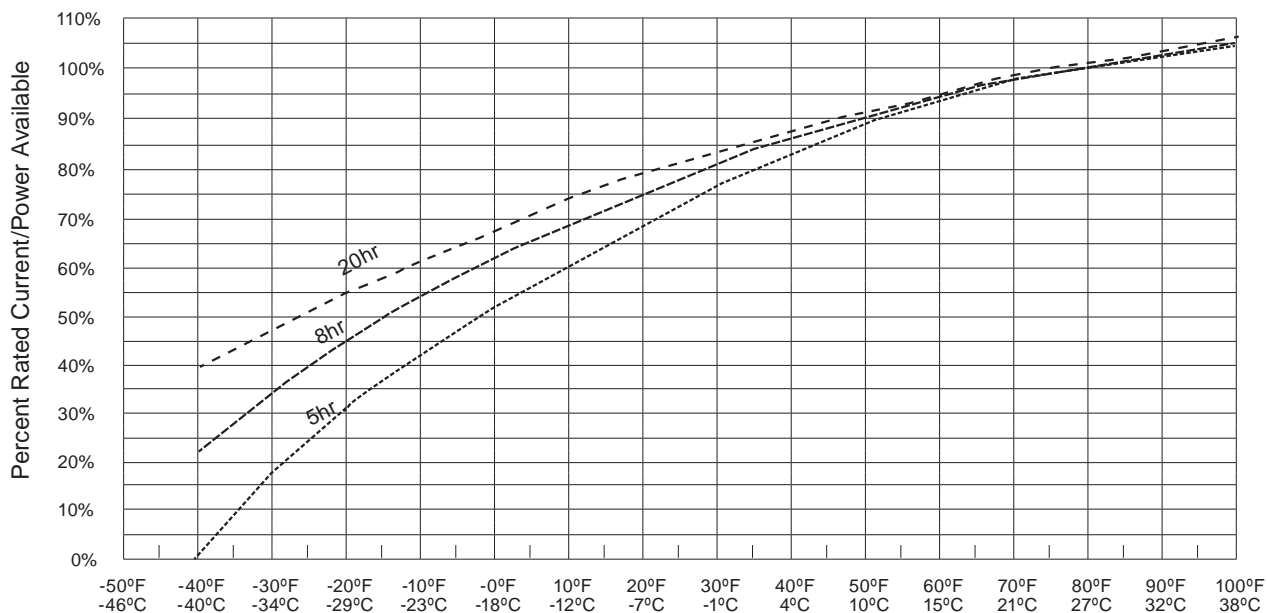
17Ah Battery @ 25°C

Constant Wattage Performance for 17Ah battery (final voltage 1.75Vpc)

Discharge Time			5hr	6hr	7hr	8hr	9hr	10hr	12hr	20hr
Discharge Wattage			30.9	26.4	22.9	20.4	18.4	16.8	14.2	9.8

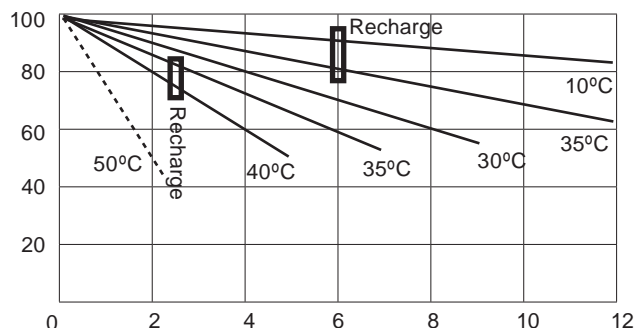
* Dimension to top of terminal

VRLA Battery Efficiency vs. Temperature and Discharge Rate



Battery Storage Guidelines

Under 25°C storage conditions, batteries self-discharge at a rate of approximately 5% per month. The self-discharge rate of VRLA batteries increases with temperature. Recommended recharge times are shown at 180 days (6 months) at 25°C, or 75 days (2.5 months) at elevated temperatures of 35°C to 40°C.



For more information visit www.alpha.com

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