an EnerSys® company

Alpha® XRT

Extended Run Time System

Configuration:	XRT-XM-TPPL-2S		XRT-TPPL-4S		XRT-TPPL-6S	
Description:	Ground-mount power system		Add-on ground-mount run time cabinet for underground or aerial applications		Ground-mount power system with added battery reserve	
Reserve Time @ 25°C ±10°C (Hr):	48	72	48	72	48	72
Load (A):	3	2	6	4	9	6
Battery Type:	Thin Plat Pure Lead (TPPL)		TPPL		TPPL	
Total Number of Batteries:	6		12		18	
Maximum Output Load (A):	6		6		6	
System Weight (lb):	1,076		2,052		3,128	
Battery Interface Unit (BIU):	Included		Included		Included	

Enclosures

Model:	Alpha® PN-4 Ground Mount Enclosure
Dimensions W × H × D (in):	26 × 52 × 24
Weight (lb):	145, TPPL battery only enclosure: 312
Product Web Page:	Alpha® PN-4 Enclosure

Cable Broadband Power Supply

Model:	Alpha® XM3.1-HP Broadband UPS
Dimensions W × H × D (in):	16.43 × 10.57 × 7.76
Weight (lb):	61
Max Current (A):	18
Max Power (W):	1620
Output Voltage (VAC):	89
Input Voltage (VAC):	120 / 240
Remote Status Monitoring:	DOCSIS® 3.1
Product Web Page:	Alpha® XM3.1-HP Broadband UPS

Batteries

Model:	PowerSafe® SBS 190F Battery	AlphaCell® 210FTX Battery
Battery Type:	TPPL	TPPL
Capacity:	190Ah @ 25°C	210Ah @ 25°C
Dimensions W × H × D (in):	4.92 × 12.4 × 22.1	4.91 × 13.02 × 22.01
Weight (lb):	132	145
Product Web Page:	PowerSafe® SBS Battery	AlphaCell® FTX Battery

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PRELIMINARY

Alpha® XRT Extended Runtime System Specifications (continued)

Battery Interface Unit (BIU)	
Dimensions W × H × D (in):	19.59 × 1.48 × 5.83
Weight (lb):	4

The Alpha® BIU—Battery Interface Unit—monitors operations of up to four strings of 36V, 200Ah batteries. The BIU monitors and reports individual battery voltages (accuracy of ±30mV), and individual string currents (accuracy of ±100mA), of up to four strings of 36V batteries. This unit is specifically designed for use with the Alpha® XM3.1-HP broadband power supply and is not compatible with previous versions in the XM series.

1 DC Input
Battery connection to XM3.1-HP broadband power supply or second TPPL battery enclosure

2 80A Circuit Breaker
Breaker used to disconnect internal battery strings from XM3.1-HP broadband power supply or second enclosure

3 Four Battery String Connetions
Quick connect/disconnect of up to 4 strings of internal batteries—prewired connectors prevent reverse connections

4 Four Battery Temperature Sensor Connections
Quick connection point for up to 4 temperature probes which connect directly to the battery post

5 Battery Sense Cable Harness
Provides battery voltage for each battery

6 Tamper Switch Connection
Connection point for tamper switch

7 Two Isolated RS485 Connetions
One RS482 connection is used to provide digital information to the XM3.1-HP broadband power supply and the other RS485 is used to connect to a second BIU if another enclosure is added

8 DC Output
Connect to another BIU in a second enclosure if added