

xStorage scope of work

Component Life Cycle Replacement Schedule



Product	Eaton xStorage Compact 10-40 kW	Maintenance		Responsibility	
Sub equipment	Operation description	Agents that may affect the aging factor	Frequency	Local Operator	Approved FSE by Eaton
xStorage	Visual inspection and control of any unexpected warning/alarm and noise		Daily	✓	
	Inspection of the xStorage measurements by display		Monthly	✓	
	Inspection of the connectivity devices		Daily	✓	
	Visual inspection of the batteries and of the automatic monthly battery test results		Every month	✓	
	Inspection of UPS parameters, calibration and alarm log		1-2 times per year	✓	✓
	UPS internal and external cleaning		1-2 times per year		✓
	Verify UPS functionality (double conversion, on battery, on bypass)		1-2 times per year		✓
ISBM	Visual inspection of the air filters. Eventually vacuum them	Dust, humidity, general site conditions	every 4 months	✓	✓
	Air filter replacements	Dust, humidity, general site conditions	1 time per year if the site is clean, 2-3 time for harsher environments	✓	✓
	Visual Inspection of the FANs	Dust, humidity, general site conditions, temperature	Every year		✓
	FANs replacement	Dust, humidity, general site conditions, temperature	5 years if site conditions are clean at 40 C		✓
	Battery on the communication board replacement	Dust, humidity, general site conditions, temperature	5 years starting with the date the unit is manufactured		✓
	EMI boards	Dust, humidity, general site conditions, temperature	10 years if site conditions are clean at 35 C		✓
UPM	Visual Inspection of the FANs	Dust, humidity, general site conditions, temperature	Every year		✓
	FANs replacement	Dust, humidity, general site conditions, temperature	5 years if site conditions are clean at 40 C		✓
	DC CAPS replacement	Dust, humidity, general site conditions, temperature	10 years if site conditions are clean at 35 C		✓
	AC CAPS replacement	Dust, humidity, general site conditions, temperature	10 years if site conditions are clean at 35 C		✓
	Main Circuit fuses	Temperature, electrical stress	10 years if site conditions are clean at 35 C		✓