



10KVA(3:3) => Model -TTI50010 Online UPS System MTBF-MTTR- AVAILABILITY & AFR

MTBF	=	Hours in a Year	Mean Time Between failure
		AFR	

Failures are defined as critical load drops caused by anything, including human error.

During the sample period, twenty eight failures were reported. Of those, So, based on the definition of failure ,twenty eight failures are used in the calculation that follows. The failed products were received, diagnosed, and repaired prior to the AFR calculation.

AFR is Calculated As

AFR	=	28 failures X (52 weeks per year /24 weeks in sample	
		1000	

=	28x2.17
	1000

=	0.061
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MTBF	=	8760	hours
		0.061	

MTBF	=	143607	hours
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MTBF	=	16	Years
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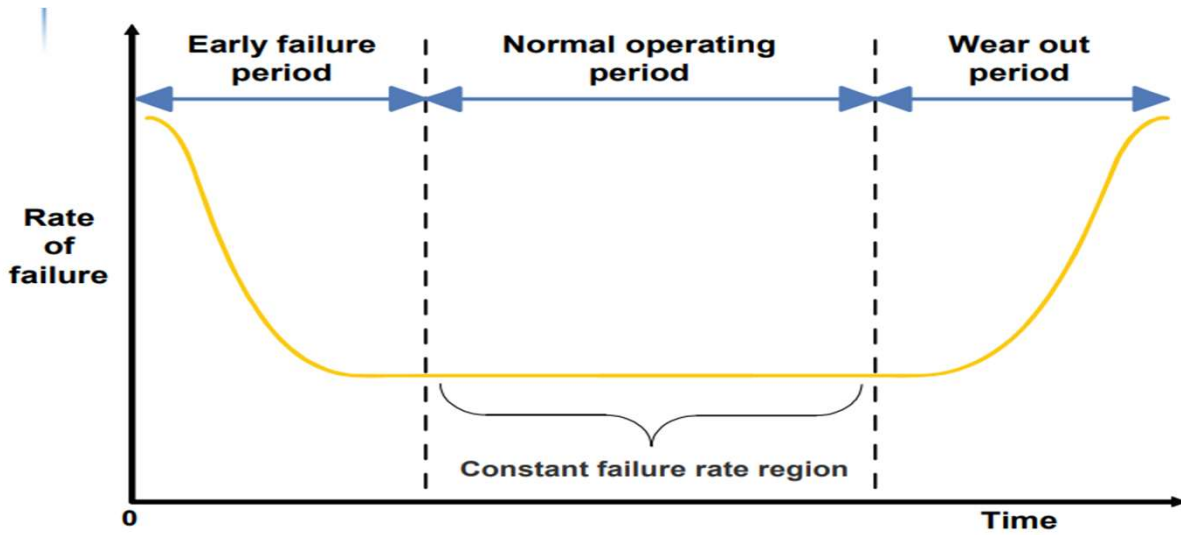
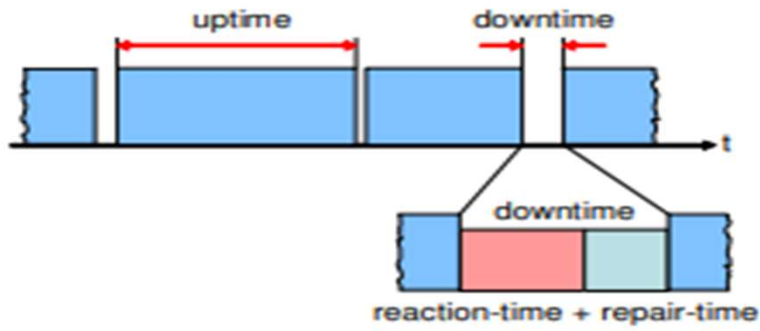
MTTR	=	4 hours
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Availability	=	MTBF
		MTBF+MTTR

Availability	=	143607
		(143607+4)

Availability	=	143607
		143611

Availability	=	0.999972147
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