



50KVA(3:3) => Model -TTI50050 Online UPS System MTBF-MTTR-AVAILABILITY & AFR

MTBF	=	Hours in a Year	
		AFR	

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

During the sample period, two failures were reported. Of those, So, based on the definition of failure ,two 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	=	2 failures X (52 weeks per year /24 weeks in sample)	
		100	

=	2x2.17
	100

=	0.0434
---	--------

MTBF	=	8760	hours
		0.0434	

MTBF	=	201843.318	hours
-------------	---	------------	--------------

MTBF	=	23	Years
-------------	---	-----------	--------------

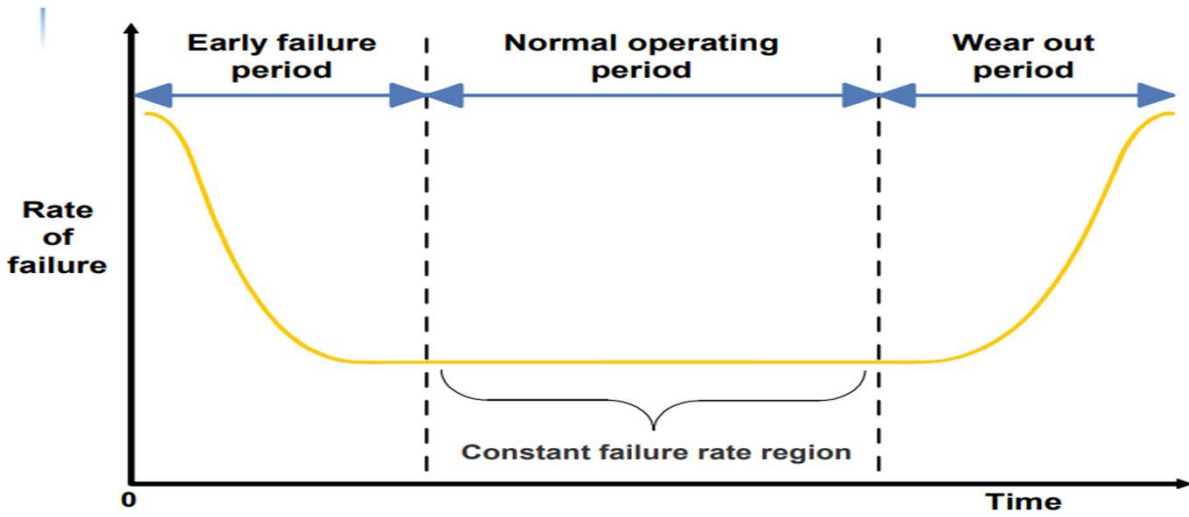
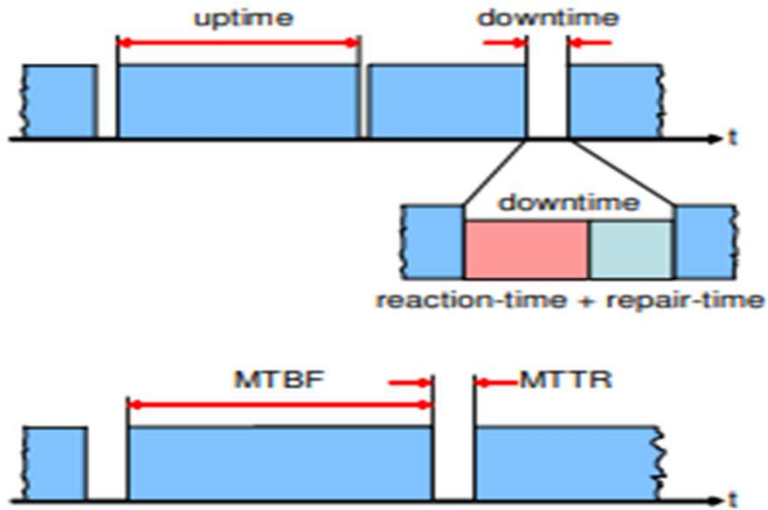
MTTR	=	4 hours
-------------	---	----------------

Availability	=	MTBF	
		MTBF+MTTR	

Availability	=	201843	
		(201843+4)	

Availability	=	201843	
		201847	

Availability	=	0.999980183
---------------------	---	-------------



Regd. Office: 230, S.N. Roy Road, Kolkata 700038

CIN- U31200WB2004PLC098363

H.O.: 97, Raja Rammohan Roy Road, Kolkata 700041

Phone: +91-33-6518-1192/3201-7233, Fax: +91-33-2400-1420, Email: switching@avoups.com, Website: www.switchingavo.com