SWITCHING AVO ELECTRO POWER LIMITED							
5KVA(1:1) => Model -HP1005 Online UPS System MTBF-MTTR- AVAILABILITY & AFR							
MTBF	=	Hours in a Year AFR Mean Time Between f				etween failure	
Failures are defined as critical load drops caused by anything, including human error.							
During the sample period, Sixty failures were reported. So, based on the definition of failure established, 60 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	=	60 failures X (52 weeks per year /26 weeks in sample 2000					
	=			60x2 2000			
	=			0.06			
MTBF	=			8760 0.06			
MTBF	=			146000		hours	
MTBF	=			17		Years	
MTTR				=		4 hours	
Availability			=	MTBF MTBF+MTTR			
Availability			=	146000 146000+4			
Availability =			=	146000 146004			
Availability			=	0.999972603			

