

MODELS: FR-CS80

TITLE: About FR-CS80 MTBF values

The MTBF (Mean Time Between Failures) is shown in the table below.

Model	MTBF*[h]
FR-CS80	75000

*The MTBF values are calculated based on MIL-HDBK-217. The market has shown that they could last up to 4 to 8 times longer than the MTBF calculated value, but this MTBF performance value is not guaranteed.

About the MTBF

MTBF or MTTF are commonly used as a standard for estimating the number of hours which a product can be used without failure. The MTBF and MTTF are defined as follows.

- **MTBF (Mean Time Between Failures)**
MTBF is used to show the average number of operational hours between an initial failure and a following failure after having been repaired.
- **MTTF (Mean Time To Failure)**
MTTF is used to show the number of operational hours to failure if the product is not repaired after initial failure.

The Mitsubishi general purpose inverter consists of many electronic components, such as the cooling fan, relay and smoothing capacitor, which may deteriorate over time and require periodical replacement. Therefore, MTBF is used for Mitsubishi inverters.