



MTBF Test Summary for Morningstar Product Lines

Lab results tested to Telcordia SR-332 (Issue 4) reliability prediction model

Product Model	MTBF Hours	MTBF Years	Source
TS MPPT - 60	247,586	28.3	Telcordia Calc Method
PS MPPT	2,009,429	229.4	Telcordia Calc Method
TS PWM	410,300	46.8	Failure Rate Analysis
ProStar PWM Gen 3	284,078	32.4	Failure Rate Analysis
SHS	240,900	27.5	Failure Rate Analysis
SunSaver Gen 3	684,000	78.1	Failure Rate Analysis
SS MPPT	249,155	28.4	Failure Rate Analysis
SureSine (2022)	1,199,245	136.9	Telcordia Calc Method

Authorized Signature on behalf of **Morningstar Corporation**,

Brad Berwald
Product Manager

