

## 8000135051 PV combiner box thermal report

PV 224SXFXCXXV0O3TA1PA15LWW

## INPUT DATA

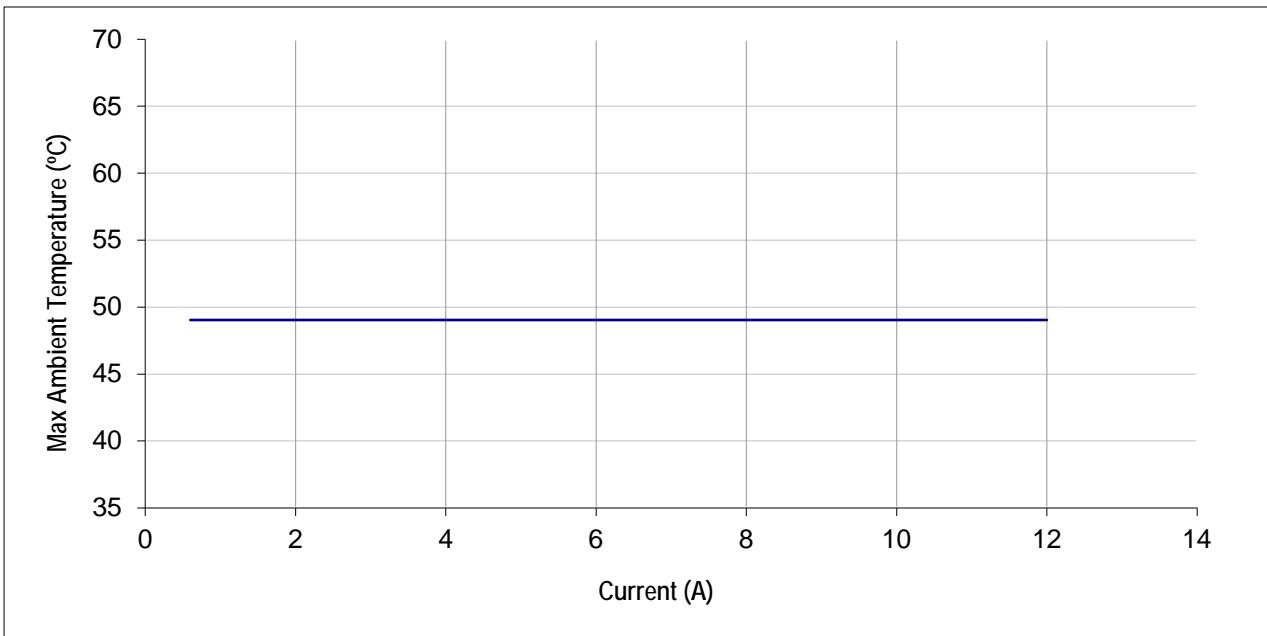
Enclosure model	558 x 302 x 210 mm
Number of MPPT	1
Switch-disconnector model (per MPPT)	no switch-disconnector
Maximum current (per MPPT)	288 A
Number of inputs (per MPPT)	24
Fuse-link model	no fuse
Number of monitoring devices (per MPPT)	0
Type of mounting	Against wall, all other sides detached
Maximum allowed internal temperature	70 °C
Combined inputs	1
Height (A)	558 mm
Width (B)	302 mm
Depth (C)	210 mm
Effective cooling surface $A_e$ of the enclosure	0,54 m <sup>2</sup>

## RESULTS

Ambient temperature (no direct sunlight)	35 °C
Rated current per input at 35°C	12,00 A
Power dissipated by components (except wiring)	5 W
Power dissipated by wiring	29 W
Total dissipated power	34 W
Temperature rise, mid height	17 °C
Temperature rise, top	21 °C
Internal temperature, top	56 °C

## CURRENT RATINGS

At 35°C	12,00 A
At 40°C	12,00 A
At 45°C	12,00 A
At 50°C	12,00 A



## NOTES

Thermal report based on IEC TR 60890 ed2.0

Thermal report does not include the direct sunlight effects