

8000113427 PV Weather Station Lite Thermal Report

PV WUCI07TXUXDXAXWXR1WW

INPUT DATA

Enclosure model	530 x 430 x 200 mm
Controller	1334990000 - UC20-WL2000-IOT
Industrial Ethernet switch	2682250000 - IE-SW-AL05LM-5TX
Router	not included
Modbus TCP/RTU Gateway	not included
Serial/Ethernet Converter	not included
Touch panel	not included
Power supply	1469470000 - PRO ECO 72W 24V 3A
UPS control unit	not included
Battery module	not included
Digital signals (inputs)	not included
Digital signals (outputs)	not included
Analogue signals (inputs)	not included
Analogue signals (outputs)	1315750000 - UR20-1COM-232-485-422
Additional signals	not included
Type of mounting	Against wall, all other sides detached
Maximum allowed internal temperature	70
Height (A)	530 mm
Width (B)	430 mm
Depth (C)	200 mm
Effective cooling surface Ae of the enclosure	0,63 m ²

RESULTS

Ambient temperature (no direct sunlight)	50 °C
Power dissipated by components (except wiring)	21 W
Power dissipated by wiring	0,02 W
Total dissipated power	21 W
Temperature rise, mid height	10 °C
Temperature rise, top	13 °C
Internal temperature, top	63 °C

NOTES

Thermal report based on IEC TR 60890 ed2.0

Thermal report does not include the direct sunlight effects