

8000094711 PV Weather Station Premium Thermal Report

PV WUCI05TXU2D1A1WXRXXWW

INPUT DATA

Enclosure model	747 x 536 x 300 mm
Controller	1334990000 - UC20-WL2000-IOT
Industrial Ethernet switch	1344770000 - IE-SW-VL08MT-6TX-2SC
Modbus TCP/RTU Gateway	1504460000 - IE-GW-MB-2TX-1RS232/485
Serial/Ethernet Converter	not included
Touch panel	not included
Power supply	1469470000 - PRO ECO 72W 24V 3A
UPS control unit	1370050010 - CP DC UPS 24V 20A/10A
Battery module	2789900000 - DURA ECO LA-BAT 24V 3.4AH
Digital signals (inputs)	1315200000 - UR20-16DI-P
Digital signals (outputs)	not included
Analogue signals (inputs)	1315620000 - UR20-4AI-UI-16
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)	747 mm
Width (B)	536 mm
Depth (C)	300 mm
Effective cooling surface Ae of the enclosure	1,19 m ²

RESULTS

Ambient temperature (no direct sunlight)	50 °C
Power dissipated by components (except wiring)	47 W
Power dissipated by wiring	0,10 W
Total dissipated power	47 W
Temperature rise, mid height	12 °C
Temperature rise, top	15 °C
Internal temperature, top	65 °C

NOTES

Thermal report based on IEC TR 60890 ed2.0

Thermal report does not include the direct sunlight effects