

8000119119 PV Communication Box Server LoRaWAN Premium Thermal Report
PV CPC119TXU3DXAXWXR2WW

INPUT DATA

| | |
|---|--|
| Enclosure model | 747 x 536 x 300 mm |
| Controller | 2909930000 - UV20-B-IPC-2002.03 |
| Industrial Ethernet switch | 2682260000 - IE-SW-AL06LM-4TX-2SC |
| Router | 2751270000 - IE-SR-4TX |
| Modbus TCP/RTU Gateway | not included |
| Serial/Ethernet Converter | not included |
| Touch panel | not included |
| PoE Injector | 2682440000 - IE-INJ-EL02-2GTPOE |
| Power supply | 1469470000 - PRO ECO 72W 24V 3A |
| UPS control unit | 1370050010 - CP DC UPS 24V 20A/10A |
| Battery module | 2789910000 - DURA ECO LA-BAT 24V 7AH |
| Digital signals (inputs) | not included |
| Digital signals (outputs) | not included |
| Analogue signals (inputs) | not included |
| Analogue signals (outputs) | not included |
| 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) | 40 °C |
| Power dissipated by components (except wiring) | 109 W |
| Power dissipated by wiring | 0,27 W |
| Total dissipated power | 109 W |
| Temperature rise, mid height | 24 °C |
| Temperature rise, top | 30 °C |
| Internal temperature, top | 70 °C |

NOTES

Thermal report based on IEC TR 60890 ed2.0
Thermal report does not include the direct sunlight effects