

8000135184 PV Communication Box Server LoRaWAN Lite Thermal Report

PV CPC16TXUXDXAXWXR2WW

INPUT DATA

Enclosure model	270 x 360 x 230 mm
Controller	2909930000 - UV20-B-IPC-2002.03
Industrial Ethernet switch	2682250000 - IE-SW-AL05LM-5TX
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	not included
Battery module	not included
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)	270 mm
Width (B)	360 mm
Depth (C)	230 mm
Effective cooling surface A_e of the enclosure	0,36 m ²

RESULTS

Ambient temperature (no direct sunlight)	35 °C
Power dissipated by components (except wiring)	60 W
Power dissipated by wiring	4,62 W
Total dissipated power	64 W
Temperature rise, mid height	37 °C
Temperature rise, top	45 °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