

8000101285 PV Communication Box Gateway LoRaWAN Premium Thermal Report
PV CUXI16TXU1DXAXWXR2WW

INPUT DATA

Enclosure model	530 x 430 x 200 mm
Controller	not included
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
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	2789890000 - DURA ECO LA-BAT 24V 1.2AH
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)	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)	47 W
Power dissipated by wiring	0,04 W
Total dissipated power	47 W
Temperature rise, mid height	19 °C
Temperature rise, top	24 °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