



Mains Power Supply QMP213

Vaisala HydroMet™ Automatic Weather Station
MAWS201



Features

- Wide mains input range
- Extended operating temperature range
- Easy to install and connect

Vaisala Mains Power Supply QMP213 is a small outdoor power supply with a weatherproof enclosure for installations supplied with AC power.

Wide Mains Input range

QMP213 is an outdoor power supply for installations where AC power is available. The input may vary from 100 to 240 VAC with a frequency of 50 or 60 Hz. The output provides a maximum of 12 VDC, 2.5 A.

Protected against Overvoltage and Short Circuits

QMP213 is equipped with protection circuits for transient overvoltage at both the input and the output ends, as well as replaceable fuses for both input lines. The output is fully protected against short circuits.

Weatherproof Enclosure

QMP213 has a weatherproof enclosure made of durable, UV-resistant polycarbonate reinforced with glass fiber. IP rating of the enclosure is IP66. QMP213 can be mounted on a 60 mm (2.36 in) or 100 mm (3.94 in) pole mast as well as on one of the tripod legs of MAWS201.

Technical Data

Inputs and Outputs

Input range	100 ... 240 VAC, maximum 0.8 A, 50-60 Hz
Input fuses	T3.15 A / 250 A, 250 V internal fuse fitted in line and neutral
Input surge protection	EN61000-4-5, installation class 3
Input wiring	Standard delivery does not include mains cable. Recommended input wiring: <ul style="list-style-type: none">• With a 3-wire cable (L, N, PE)• Lead dimension: 0.75 ... 1.5 mm² (19 ... 16 AWG)• Maximum cable Ø 8 mm (0.31 in)
Output voltage	12 VDC ±5%
Output current	Maximum 2.5 A
Output protection	Short circuit proof: continuous trip and restart (hiccup)
Output wiring	Cable with black polyurethane sheath and a female 4-pole plug (12M standard) included.

Enclosure Specifications

Enclosure dimensions (W × H × D)	160 × 80 × 65 mm (6.30 × 3.15 × 2.56 in)
Enclosure dimensions including mounting fixture (W × H × D)	160 × 104 × 95 mm (6.30 × 4.09 × 3.74 in)
Weight	0.5 kg (1 lb)
Material	Polycarbonate reinforced with glass fiber
Color	Gray
IP rating	IP66
Mounting	To a Ø 60 (2.36 in) or Ø 100 mm (3.94 in) pole mast or to the tripod leg

Operating Environment

Operating temperature	-40 ... +60 °C (-40 ... +140 F°)
Storage temperature	-50 ... +70 °C (-58 ... +158 F°)
Operating humidity	0 ... 100% RH

Compliance

Electrical safety	EN/UL/IEC 61010-1 Low voltage directive (LVD)
EMC compliance, immunity	EN/IEC 61326-1, Industrial Environment



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