Monitoring cabinet compact

Item no. 593.724, 570.020, 570.120

Actual product may vary

Standardized monitoring cabinets equipped with various configuration options for individual Compact requirements.

Description of functions

meteocontrol's standardized Power Control Cabinets enable reliable control of PV and Hybrid power plants.

- Customizable integration of blue'Log, MX-Modules, and other components based on system requirements.
- Pre-wired for a large selection of components to ensure quick and flexible installation.
- Reliable operation in harsh conditions, including exposure to rain, dirt, and moisture.
- The PLUS variant is available as a standard or temp version. Temp variants are intended for an extended temperature range and are equipped with a climate control unit for heating and cooling the installed components.
- Battery backup ensures reliable and uninterrupted operation.
- Compact Plus offers optional overvoltage protection (OVP). This ensures a safe shutdown in the event of overvoltage.

Product matrix

The Product matrix below provides a general overview for comparison purposes. The individual variants are described in detail on the following pages.

	Monitoring Cabinet Compact Core 593.724	Monitoring Cabinet Compact Plus 570.020/570.120
Power supply	1x	1x
UPS	1x	1x
Battery	0.8 / 7 Ah	0.8 / 7 / 2x 12 Ah
blue'Log	1x	1x
MX module RS485	2x	3x
Power analyzer	-	-
Fiber optic Ethernet switch	1x	1x
Splice box	1x	1x

Router	1x	1x
Fieldbus couplers	-	1x
Power supply module	-	1x
16 DI module	-	1x
8 DO module	-	1x
End module	-	1x
Relays	-	12x
OVP AC	-	1x
OVP RS485	-	6x
OVP 24 V DC	-	6x
OVP analog 0-20 mA	-	2x
OVP analog 0-10 V	-	2x

Monitoring Cabinet Compact Core

Item no.: 593.724

Technical data

Dimensions (H x W x D)	615 x 415 x 230 mm
Housing	UV-resistant fiberglass reinforced plastic housing
Weight	22 kg
Power supply	85 V ... 277 V 16 A AC / 45 ... 65 Hz
IP rating	IP 66
Operating temperature	-5 °C ... +30 °C
Storage temperature	-15 °C ... +45 °C
Installation type	Wall

Installed equipment

- 1x Power supply unit 24 V 5 A
- 1x UPS 24 V 5 A

Prewired equipment

- 1x Battery 0.8 / 7 Ah
- 1x blue'Log
- 2x MX modules RS485/422
- 1x fiber optic/Ethernet switch
- 1x Splice box
- 1x Router

Communication interfaces (depending on installed equipment)

- Ethernet (Modbus TCP)
- RS485 / 422 (Modbus RTU)
- Digital
- Analog
- Fiber-optic (single-mode/multi-mode)

Monitoring Cabinet Compact Plus

Item no.: Standard: 570.020 / Temp: 570.120

Technical data

Dimensions (H x W x D)	750 x 750 x 320 mm Temp variant only: 84 mm added on right side to enable air circulation for the climate control unit.
Weight	Standard: 51 kg Temp variant: 55 kg
Housing	UV-resistant fiberglass reinforced plastic housing
Power supply	85 V ... 277 V 16 A AC / 45 ... 65 Hz
IP rating	IP 65
Operating temperature	Standard: -5 °C ... +30 °C / Temp: -15 °C ... +45 °C
Storage temperature	-15 °C ... +45 °C
Installation type	Wall

Installed equipment

- 1x Power supply unit 24 V 5 A
- 1x UPS 24 V 5 A

Temp variant only: 1x 100 W Climate control unit for heating and cooling the installed components

Prewired equipment

- 1x Battery (0.8 / 7 / 2x 12 Ah)
- 1x blue'Log
- 3x MX modules RS485/422
- 1x Power analyzer
- 1x fiber optic/Ethernet switch
- 1x Splice box
- 1x Router
- 1x Fieldbus coupler
- 1x 16-channel digital input module
- 1x 8-channel digital output module
- 1x termination module
- 1x power supply module
- 12x Relay

Overvoltage protection (OVP) - optional

- 1x OVP AC
- 6x OVP RS485

- 6x OVP 48 V DC
- 2x OVP analog 0-20 mA
- 2x OVP analog 0-10 V

Communication interfaces (depending on installed equipment)

- Ethernet (Modbus TCP)
- RS485 / 422 (Modbus RTU)
- Digital
- Analog
- Fiber-optic (single-mode/multi-mode)