# POWER CONTROL STATION X-SERIES COMMERCIAL

Item No.: 592.727, 592.727 001, 592.727 002, 592.727 003, 592.727 004, 592.727 005



meteo|control

Energy & Weather Services

Actual product may vary

### DESCRIPTION OF FUNCTIONS

The measuring equipment control cabinet for grid integration of your commercial PV system.

- Interface between the grid operator and your system
- blue'Logs, MX-Modules, energy meter and further components can be built in depending on the grid operator's requirements
- Cost-optimized all-in-one solution due to direct connection of communication lines
- Application area Indoor and Outdoor for moderate climate conditions

#### **TECHNICAL DATA**

Supply voltage: Current consumption without ext. devices: Protection class: UV resistant: Operating temperature: Storage temperature: Dimensions (H x W x D): Weight: Installation:

## INTERNAL POWER SUPPLY

Components: Nominal input voltage range AC: Input voltage range AC: Efficiency:

Components: Input voltage DC: Capacity: Efficiency:

CABLE SCREW CONNECTIONS

100 V AC to 230 V AC / 16 A Max. 0.80 A IP 65 Yes -15 °C to 40 °C -20 °C to 60 °C 615 x 415 x 230 mm 14.9 kg Wall installation

Power supply unit 24 V DC ±1 %, 2.5 A 100 V AC to 240 V AC 85 V AC to 264 V AC > 90 % (for 230 V AC and nominal values)

UPS with integrated power storage 24 V DC, 2.5 A 24 V DC 0.8 Ah > 95 % (Mains operation, with charged power storage)

1 x M25 incl. splitted sealing insert (9 mmm bis 17 mm / 4 mm bis 6 mm) for Ethernet 1 x M20 (6 mm bis 13 mm) for Power supply 7 x M16 (4,5 mm bis 10 mm) for Sensors

COMMUNICATION

Type:

RS485 Modbus / 2 wires Ethernet

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#### EQUIPMENT

Power supply unit 24 V DC, 2.5 A

UPS with integrated power storage 24 V DC, 2.5 A, 0.8 Ah Top-hat rail socket (optional)

- Socket extension GER (Item No.: 592.724 100)
- Socket extension UK (Item No.: 592.724 101)
- Socket extension ITA (Item No.: 592.724 102)
- Socket extension USA (Item No.: 592.724 103)
- Socket extension IN (Item No.: 592.724 104)
- Socket extension FR (Item No.: 592.724 105)
- Socket extension CH (Item No.: 592.724 106)

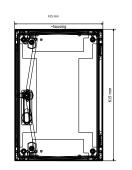
Pre-wired for:

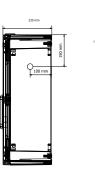
- 1 blue'Log basic module (XC)
- Up to 4 extension modules (max. 2 MX-Module Multi I/O)
  - 1 Transformer energy meter iEM3255 (3-phase, Modbus)
- 1 VPN LTE Router EBW-L100

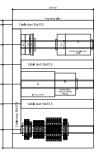
If required, additional components can be implemented as a variant or special model.

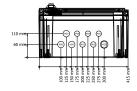
The following variants are available as pre-wired measuring equipment control cabinets:

- Power Control Station X-Serie Commercial, pre-wired for switch and energy meter (Item No.: 592.727 001)
- Power Control Station X-Serie Commercial, pre-wired for router and energy meter (Item No.: 592.727 002)
- Power Control Station X-Serie Commercial, pre-wired for switch, router and energy meter (Item No.: 592.727 003)
- Power Control Station X-Serie Commercial, pre-wired for switch and power analyzer (Item No.: 592.727 004)
- Power Control Station X-Serie Commercial, pre-wired for switch, router and power analyzer (Item No.: 592.727 005)









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#### VARIANTS

# SCHEMATIC DIAGRAMS