

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*



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:	100 V AC to 230 V AC / 16 A
Current consumption without ext. devices:	Max. 0.80 A
Protection class:	IP 65
UV resistant:	Yes
Operating temperature:	-15 °C to 40 °C
Storage temperature:	-20 °C to 60 °C
Dimensions (H x W x D):	615 x 415 x 230 mm
Weight:	14.9 kg
Installation:	Wall installation

INTERNAL POWER SUPPLY

Components:	Power supply unit 24 V DC $\pm 1\%$, 2.5 A
Nominal input voltage range AC:	100 V AC to 240 V AC
Input voltage range AC:	85 V AC to 264 V AC
Efficiency:	> 90 % (for 230 V AC and nominal values)

Components:	UPS with integrated power storage 24 V DC, 2.5 A
Input voltage DC:	24 V DC
Capacity:	0.8 Ah
Efficiency:	> 95 % (Mains operation, with charged power storage)

CABLE SCREW CONNECTIONS

1 x M25 incl. splitted sealing insert (9 mm 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.

VARIANTS

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

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

SCHEMATIC DIAGRAMS

