

# smartPDU

## smartPDU – power just got smarter

Power distribution is at the heart of any modern event, providing power to show-critical and highly valuable equipment.

The smartPDU series sets a new standard in functionality, flexibility, reliability and safety. It is suitable for all applications; from the smallest venue to the largest tour.

Engineered to meet the tough requirements of the events market, the smartPDU helps you to keep track of the situation at any moment, protecting your connected equipment and crew and, when needed, assisting you in diagnosing problems.

### Operational features

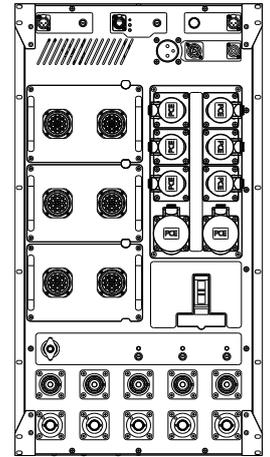
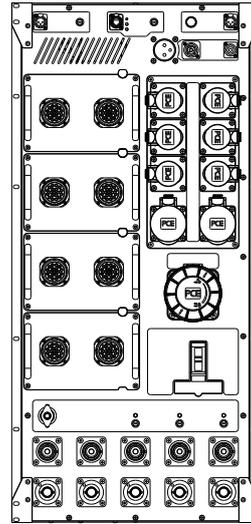
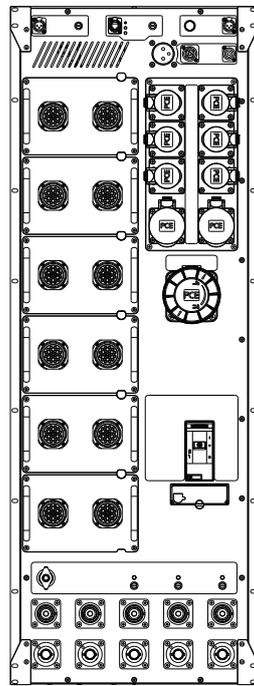
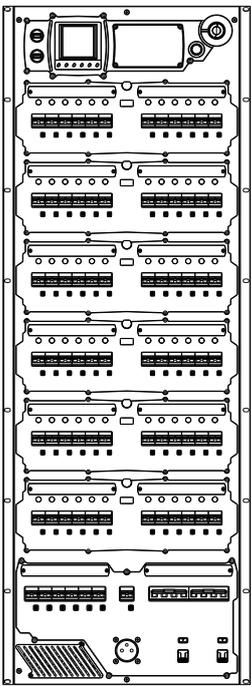
- **True load monitoring** – quick and easy overview of output loading. Catch potential problems before breakers trip, find channels with spare capacity and more.
- **Remote supervision** – the networked system enables you to quickly view the status of all smartPDU's in your system from any location on any device with a browser.
- **Backlit marking strips** – keeps your channel information clearly visible without external lighting.
- **Superior circuit breakers** – all breakers hold their rated current regardless of temperature. Immediate reset possible.
- **Quick and easy to reconfigure** – all main output connectors can be changed a minute, from Socapex, to Harting, to Powercon.

### Safety features

- All outputs are fitted with individual RCDs (“earth leakage protection”) to maximise electrical safety while also minimising the impact of any electrical fault.
- Emergency stop for immediate shutdown.
- Loss of neutral protection prevents costly damage to connected loads caused by over-voltages.
- All breakers perform full electrical isolation in their “off” position.
- Sealed, industrial grade circuit breakers (IEC 60947-1) to ensure reliable operation in dusty or humid conditions.



StageSmarts



*smartPDU<sub>72</sub>*

*smartPDU<sub>48</sub>*

*smartPDU<sub>36</sub>*

**Power in / through**

Powerlock 500A, 5-wire (TN-S) 230/400V

**Main breaker**

MCCB 4-pole

**Protection**

Immediate disconnect in case of lost neutral (over voltage protection)

**Master metering**

All voltages, currents (incl neutral), power factor and frequency

**No. of main channels**

72

48

36

**Connection, protection**

Socapex or Harting multipin - RCBO 2-pole, 16A - 30mA

**Aux channels 1 phase**

7

7

7

**Connection, protection**

CEE 3-pole - RCBO 2-pole, 16A - 30mA

**Aux channels 3 phase**

2

2

2

**Connection, protection**

CEE 5-pole - MCB 4-pole, 16/32/\*63A / RCD 30mA

**Dimensions**

19", 30U x 553mm

19", 23U x 553mm

19", 20U x 553mm

**Weight(including case)**

158 kg

121 kg

108 kg

**Certifications, standards**

EN 61439-1, EN 62368-1:2014, EN 61000-6-1:2007, EN 55015:2006+A2:2009, BS7671, BS7909

All specifications subject to change without notice.

\* CEE 5-pole 63A optional on 72 & 48 channel versions.