

Smappee Power Box



- Works with almost any electricity network worldwide.
- Energy metering functionalities.
- Measure up to 28 loads.
- Provides power to the entire system.

The Power Box is the compact and robust heart of the Smappee Infinity monitoring system as it provides power to all components. It's compatible with almost any electricity network worldwide and is DIN-rail mountable. It offers energy metering functionalities such as measurement of the current, the line voltages, phase voltages, active and reactive energy. The Power Box is the interface for CT Hubs via the Smappee Bus A. In combination with the CT Hub, the Power Box can measure up to 28 loads. The measured data is transferred via ModBus-485 (Smappee Bus B).

- **Dimensions:** 55 × 55 × 26.6 mm (2.17 x 2.17 x 1.05 inches)
- **Weight:** 44 g (1.55 oz)
- **Working temperature:** -10 °C to 50 °C (14 °F to 122 °F) (Higher working temperatures possible depending on connected loads)
- **Storage temperature:** -20 °C to 90 °C (-4 °F to 194 °F)
- **Relative humidity:** 0% - 95% non-condensing
- **Operating altitude:** 0 - 2,000 m (0 to 6,562 feet)
- **EMC:** IEC-61326-1, FCC 47 part 15
- **Safety:** IEC61010-1:2010/COR1:2011
- **Impact rating (IEC 62262):** IK 06 (Impact Energy: 1J)
- **IP rating (IEC 60529):** IP X0
- **Power supply input:** 90 - 264 V AC
- **Power consumption:** 8 W max
- **Voltage measurement inputs:** L1, L2, L3, N Topology and maximum nominal ranges:
 - Single phase - - : 240 Vrms
 - Split phase: 120/240 Vrms
 - 3 phase (3 wires) - 3~ : 240 Vrms
 - 3 phase (4 wires) - 3~: 240/415 Vrms
- **Frequency:** 50/60 Hz
- **Intended environment conditions:** Pollution degree 2
- **Overvoltage conditions:** overvoltage category II
- **Connectivity:**
 - Smappee Bus A
 - Smappee Bus B
- **Accessories included:**
 - DIN mounting plate
 - Power cable 90 cm open-ended (35.43 inches)
 - Bus termination plug