



**Power supply unit,**

**UNO2-PS/1AC/24DC/240W**

URL:<https://www.sxplc.com/power-supply-unit-uno2-ps-1ac-24dc-240w>

**Product data sheet**

## Technical data

### Input data

#### AC operation

Supply system configuration	Star network (TN, TT, IT (PE))
Nominal input voltage range	100 V AC ... 240 V AC
Input voltage range	100 V AC ... 240 V AC -15 % ... +10 %
Derating	< 90 V AC (1 %/V)
Typical national grid voltage	120 V AC 230 V AC
Voltage type of supply voltage	AC
Inrush current	typ. 10 A (at 25 °C)
Inrush current integral ( $I^2t$ )	< 0.2 A <sup>2</sup> s
Frequency range ( $f_N$ )	50 Hz ... 60 Hz $\pm$ 10 %
Mains buffering time	typ. 16 ms (120 V AC) typ. 20 ms (230 V AC)
Current consumption	2.6 A (100 V AC) 2.2 A (120 V AC) 1.13 A (230 V AC) 1.2 A (240 V AC)
Protective circuit	Transient surge protection; Varistor, gas-filled surge arrester
Switch-on time	typ. 400 ms
Device mains fuse	5 A internal (device protection), fast-blow
Recommended breaker for input protection	6 A ... 16 A (Characteristic B, C, D, K or comparable)
Discharge current to PE	< 3.5 mA

### Output data

Efficiency	typ. 92 % (120 V AC) typ. 94 % (230 V AC)
Nominal output voltage	24 V DC
Setting range of the output voltage ( $U_{Set}$ )	24 V DC ... 28 V DC (> 24 V DC, constant capacity restricted)
Nominal output current ( $I_N$ )	10 A
Short-circuit-proof	yes
No-load proof	yes
Crest factor	typ. 1.65 (120 V AC) typ. 1.63 (230 V AC)
Output power ( $P_N$ )	240 W
Connection in parallel	yes, for redundancy
Connection in series	yes, for increased output voltage

