



3 Technical Data

Table 1 lists the technical data of the PSU variants.

Table 1 PSU Technical Data

| Technical Data | | PSU AC 01 | PSU AC 02 | PSU AC 03 | PSU AC 08 | PSU AC 09 | PSU 24 01 | PSU 48 02 |
|-------------------------------|--------------------------------------|--|---|---|--|---|--|--|
| Maximum power dissipation (W) | | 200 | 70 | 175 | 80 | 50 | 200 | 55 |
| Temperature range (°C) | Range | -40 to +70 | -40 to +55 | -40 to +70 | -40 to +55 | -40 to +55 | -40 to +70 | -40 to +55 |
| | Limited performance (cold start-up) | -40 to -10 | -40 to -33 | -40 to -10 | -40 to -33 | - | -40 to -10 | -40 to -33 |
| | Limited performance (power derating) | +55 to +70 | N/A | +55 to +70 | N/A | - | +55 to +70 | N/A |
| Input Characteristics | Nominal input voltage | 100-250 V AC | 100-250 V AC | 100-250 V AC | 100-250 V AC | 100-250 V AC | 27.2 V DC | -54.5 V DC |
| | Rated operating voltage range | 85-275 V AC | 90-275 V AC | 85-275 V AC | 85-275 V AC | 85-275 V AC | 19.5 to +30.0 V DC | -38.0 to -58.5 V DC |
| | External input fuse | 10 A/phase at 1,200 W ⁽¹⁾ 16 A/phase at 1,800 W ⁽¹⁾ | For 700 W output power: ⁽¹⁾ 12 A at 100 V AC 6 A at 200 V AC | <ul style="list-style-type: none"> • 10 A/phase at 8 A input current⁽¹⁾ • 12.5 A (25 A/2xPSU)/phase at 10 A input current⁽¹⁾ • 15 or 16 A/phase at 12.5 A input current⁽¹⁾ • 20 A/phase or 16 A Hydraulic magnetic circuit breaker at 15 A input current⁽¹⁾ | For 1000 W output power: ⁽¹⁾ 16 A at 100 V AC 8 A at 200 V AC | For 1000 W output power: ⁽¹⁾ 16 A at 100 V AC | 80 A for 1200 W ⁽²⁾ 125 A for 1,800 W ⁽²⁾ | For 700 W output power: ⁽²⁾ Min 25 A Max 80 A |
| | Input current rating | 9 A at 1,200 W 14 A at 1,800 W | 9 A at 100 V AC 4.5 A at 200 V AC | 8, 10, 12.5, and 15 A ⁽³⁾ | 13 A at 100 V AC 6.5 A at 200 V AC | 11 A at 100 V AC | 80 A at 1,200 W 100 A at 1,800 W | ≤ 20 A |

**Table 1 PSU Technical Data**

| Technical Data | | PSU AC 01 | PSU AC 02 | PSU AC 03 | PSU AC 08 | PSU AC 09 | PSU 24 01 | PSU 48 02 |
|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Output Characteristics | Default output voltage | -54.5 V DC | -54.5 V DC | -54.5 V DC | -54.5 V DC | -54.5 V DC | -54.5 V DC | -54.5 V DC |
| | Voltage range | -42.0 to -58.5 V DC | -54.0 to -55.0 V DC | -42.0 to -58.5 V DC | -54.0 to -55.0 V DC | -42.0 to -58.5 V DC | -53.0 to -56.0 V DC | -54.0 to -55.0 V DC |
| | Output power | 1,200 or 1,800 W | 700 W | See Table 2. | 1000 W | 1000 W | 1,200 or 1,800 W | 700 W |
| Dimensions | Height | 43 mm | 68 mm | 43 mm | 69 mm | 100 mm | 43 mm | 68 mm |
| | Width | 145 mm | 330 mm | 145 mm | 274 mm | 285 mm | 145 mm | 330 mm |
| | Depth | 225 mm | 179 mm | 225 mm | 180 mm | 180 mm | 225 mm | 179 mm |
| | Weight | < 2.2 kg | 5.2 kg | < 2.3 kg | 5.2 kg | < 5.2 kg | < 2.2 kg | 5.2 kg |

(1) The external AC power fusing of the cabinet must meet the characteristic fuse, type gL-gG-gD in accordance with IEC/EN 60 269-1 and UL 248-8 and characteristic circuit breaker in accordance with IEC 60 947-2 and UL 489.

(2) The external DC power fusing of the cabinet must meet the characteristic fuse, type gL-gG-gD in accordance with IEC/EN 60 269-1 and UL 248-8 and characteristic circuit breaker in accordance with IEC 60 947-2 and UL 489A.

(3) Selectable by switch

Table 2 lists the output power of PSU AC 03.

Table 2 PSU AC 03 Output Power

| Input Current Rating (A) | Input Voltage (V AC) | Output Power (W) |
|--------------------------|----------------------|------------------------|
| 8 | > 250 | 1800 |
| | 180 | linear derated to 1300 |
| 10 | > 250 | 2300 |
| | 180 | linear derated to 1600 |
| 12.5 | > 215 | 2500 |
| | 180 | linear derated to 2100 |
| 15 | > 180 | 2500 |