

WAGO Power Supplies Selection Guide

Switched-Mode Power Supplies 1-Phase

| Nominal voltage (output) | Nominal current (output) [ADC] | Input, 1-phase | Input, 2-phase | Approvals | | | | | | | DC OK signal/contact | RS-232 interface | TopBoost ¹⁾ | PowerBoost | Efficiency typ. [%] | Surrounding air temperature [°C] ⁴⁾ | Item Number |
|--------------------------|--------------------------------|----------------|----------------|-----------|-------------|-----------|-------------|-------|------------------|-------------|----------------------|------------------|------------------------|-------------|------------------------|--|------------------------|
| | | | | EN 60335 | cURus 60950 | cULus 508 | cULus 61010 | DNVGL | ANSI/ISA 12.12.1 | ATEX/IEC Ex | | | | | | | |
| 5 VDC | 5.5 | ■ | | | ■ | ■ | | | □ | | | | | | 75.0 | -25 ... +60 | 787-1020 |
| 12 VDC | 2.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | | 82.0 | -25 ... +70 | 787-1601 ²⁾ |
| | 2.0 | ■ | | ■ | | | | | | | | | | | 80.0 | -25 ... +60 | 787-1701 |
| | 2.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | | 80.0 | -25 ... +60 | 787-1001 |
| | 2.5 | ■ | | ■ | ■ | | | | | | | | | | 88.0 | -25 ... +70 | 787-1201 |
| | 4.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | | 86.0 | -25 ... +70 | 787-1611 ²⁾ |
| | 4.0 | ■ | | ■ | | | | | | | | | | | 81.0 | -25 ... +60 | 787-1711 |
| | 4.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | | 85.0 | -25 ... +60 | 787-1011 |
| | 5.0 | ■ | | ■ | ■ | ■ | | | | | | | | | 89.5 | -25 ... +70 | 787-1211 |
| | 6.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | | 87.0 | -25 ... +60 | 787-1021 |
| | 7.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | | 86.0 | -25 ... +70 | 787-1621 |
| | 8.0 | ■ | | ■ | | | | | | | | | | | 84.0 | -25 ... +60 | 787-1721 |
| | 8.0 | ■ | | ■ | ■ | | | | | | | | | | 88.0 | -25 ... +70 | 787-1201 |
| | 8.0 | ■ | | ■ | ■ | | | | | | | | | | 91.5 | -25 ... +70 | 787-1221 |
| 10.0 | | | | | | | ■ | | | | ■ | ■ | | 93.8 | -25 ... +70 | 2787-2134 | |
| 15.0 | | | | | | | ■ | | | | ■ | ■ | | 95.3 | -25 ... +70 | 2787-2135 | |
| 15.0 | ■ | | | ■ | ■ | | | ■ | | | ■ | | | 90.0 | -25 ... +70 | 787-1631 | |
| 18 VDC | 2.4 | ■ | | | ■ | ■ | | | □ | | | | | 83.0 | -25 ... +60 | 787-1017 | |
| 22 VDC | 1.0 | ■ | | | ■ | | | | | | | | | 84.0 | -25 ... +60 | 787-914 | |
| 24 VDC | 0.5 | ■ | | ■ | | ■ | | | | | | | | 83.0 | -25 ... +70 | 787-1200 | |
| | 1.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | 86.0 | -25 ... +70 | 787-1602 ²⁾ | |
| | 1.25 | ■ | | ■ | ■ | | | | | | | | | 80.0 | -20 ... +60 | 787-1702 | |
| | 1.25 | ■ | | | | | ■ | | | | | | | 88.0 | -25 ... +70 | 2687-2142 | |
| | 1.25 | ■ | | | ■ | | | | | | | | | 88.0 | -20 ... +70 | 787-2850 | |
| | 1.3 | ■ | | | ■ | ■ | | | ■ | | | | | 82.0 | -25 ... +60 | 787-1002 | |
| | 1.3 | ■ | | | ■ | ■ | | | ■ | | | | | 82.0 | -25 ... +60 | 787-1102 | |
| | 1.3 | ■ | | | ■ | ■ | | | | | | | | 87.0 | -25 ... +70 | 787-1202 | |
| | 2.0 | ■ | | ■ | ■ | ■ | | | ■ | | | | | 89.0 | -25 ... +70 | 787-1606 ²⁾ | |
| | 2.5 | ■ | | | ■ | ■ | | | | ■ | ■ | | | 86.0 | -10 ... +70 | 787-712 | |
| | 2.5 | ■ | | ■ | ■ | ■ | | | | | | | | 81.0 | -20 ... +60 | 787-1712 | |
| | 2.5 | ■ | | | ■ | ■ | | | ■ | | | | | 88.0 | -25 ... +60 | 787-1012 | |
| | 2.5 | ■ | | | ■ | ■ | | | ■ | | | | | 88.0 | -25 ... +60 | 787-1112 | |
| | 2.5 | ■ | | | ■ | ■ | | | | | | | | 89.0 | -25 ... +70 | 787-1212 | |
| | 3.0 | ■ | | | | ■ | ■ | | | ■ | ■ | ■ | | 87.8 | -25 ... +70 | 787-818 | |
| | 3.8 | ■ | | | ■ | ■ | | | ■ | | | | | 87.0 | -25 ... +70 | 787-1616/000-1000 ²⁾ | |
| | 4.0 | ■ | | | ■ | ■ | | | ■ | | | | | 89.0 | -25 ... +70 | 787-1616 | |
| | 4.0 | ■ | | | ■ | ■ | | | ■ | | | | | 88.0 | -25 ... +60 | 787-1022 | |
| | 4.0 | ■ | | | ■ | ■ | | | ■ | | | | | 88.0 | -25 ... +60 | 787-1122 | |
| | 4.0 | ■ | | | | ■ | | | | | | | | 92.3 | -40 ... +85 | 787-6716 | |
| | 4.2 | ■ | | | ■ | ■ | | | | | | | | 90.0 | -25 ... +70 | 787-1216 | |
| | 5.0 | ■ | | | | ■ | ■ | | | ■ | ■ | ■ | | 91.5 | -25 ... +70 | 2787-2144 | |
| | 5.0 | ■ | | | | ■ | ■ | | | ■ | ■ | | | 87.8 | -25 ... +70 | 787-822 | |
| | 5.0 | ■ | | | ■ | ■ | | | ■ | | | | | 89.0 | -25 ... +70 | 787-1622 | |
| | 5.0 | ■ | ■ | | | ■ | ■ | | | ■ | | | | 89.0 | -25 ... +70 | 787-1628 | |
| | 5.0 | ■ | | | ■ | ■ | | | | | | | | 86.0 | -10 ... +60 | 787-722 | |
| | 5.0 | ■ | | | ■ | ■ | | | | | | | | 84.0 | -20 ... +60 | 787-1722 | |
| | 5.0 | ■ | | | | ■ | | | | | | | | 90.0 | -25 ... +70 | 2687-2144 | |
| | 6.0 | ■ | | | ■ | ■ | | | | | | | | 90.0 | -25 ... +70 | 787-1226 | |
| | 10.0 | ■ | | | | ■ | | | | ■ | ■ | ■ | | 92.8 | -25 ... +70 | 2787-2146 | |
| 10.0 | ■ | | | | ■ | | | | ■ | ■ | ■ | | 90.0 | -25 ... +70 | 787-832 | | |
| 10.0 | ■ | | | | ■ | | | | ■ | ■ | ■ | | 91.0 | -25 ... +70 | 787-1632 ⁵⁾ | | |
| 10.0 | ■ | ■ | | | ■ | | | | ■ | ■ | | | 90.0 | -25 ... +70 | 787-1638 | | |
| 10.0 | ■ | | | | ■ | | | | | | | | 86.0 | -10 ... +70 | 787-732 | | |
| 10.0 | ■ | | | ■ | ■ | | | | | | | | 84.0 | -20 ... +60 | 787-1732 | | |
| 20.0 | ■ | | | | ■ | | | | ■ | ■ | ■ | | 94.0 | -25 ... +70 | 2787-2147 | | |
| 20.0 | ■ | | | | ■ | | | | ■ | ■ | ■ | | 91.0 | -25 ... +70 | 787-834 | | |
| 20.0 | ■ | | | | ■ | | | | ■ | ■ | | | 92.0 | -25 ... +70 | 787-1634 | | |
| 20.0 | ■ | | | | ■ | | | | ■ | ■ | | | 90.0 | -25 ... +70 | 787-734 | | |
| 40.0 | ■ | | | | ■ | | | | ■ | ■ | ■ | | 95.0 | -25 ... +70 | 2787-2448 | | |
| 40.0 | ■ | | | | ■ | | | | ■ | ■ | | | 90.0 | -25 ... +70 | 787-736 | | |

5

Switched-Mode Power Supplies 1-Phase

| Nominal voltage (output) | Nominal current (output) [ADC] | Input, 1-phase | Input, 2-phase | Approvals | | | | | | | | DC OK signal/contact | RS-232 interface | TopBoost ¹⁾ | PowerBoost | Efficiency typ. [%] | Surrounding air temperature [°C] ⁴⁾ | Item Number |
|--------------------------|--------------------------------|----------------|----------------|-----------|-------------|-----------|-------------|-------|------------------|-------------|--|----------------------|------------------|------------------------|------------|---------------------|--|-------------|
| | | | | EN 60335 | cURus 60950 | cULus 508 | cULus 61010 | DNVGL | ANSI/ISA 12.12.1 | ATEX/IEC Ex | | | | | | | | |
| 48 VDC | 2.0 | ■ | | ■ | ■ | ■ | | ■ | | | | | | | 86.0 | -25 ... +70 | 787-1623 | |
| | 5.0 | ■ | | ■ | ■ | | ■ | | | | | | | | | -25 ... +70 | 2787-2154 | |
| | 5.0 | ■ | | | ■ | ■ | | | | | | | | | 91.0 | -25 ... +70 | 787-833 | |
| | 5.0 | ■ | | | ■ | ■ | | ■ | | | | | | | 92.0 | -25 ... +70 | 787-1633 | |
| | 10.0 | ■ | | | | | | ■ | | | | | | | 95.3 | -25 ... +70 | 2787-2157 | |
| | 10.0 | ■ | | | ■ | ■ | | | | | | | | | 91.0 | -25 ... +70 | 787-835 | |
| | 10.0 | ■ | | | ■ | ■ | | | ■ | | | | | | 93.0 | -25 ... +70 | 787-1635 ⁵⁾ | |

Switched-Mode Power Supplies 3-Phase

| Nominal voltage (output) | Nominal current (output) [ADC] | Approvals | | | | | | | | DC OK signal/contact | RS-232 interface | TopBoost ¹⁾ | PowerBoost | Efficiency typ. [%] | Surrounding air temperature [°C] ⁴⁾ | Item Number |
|--------------------------|--------------------------------|-----------|-------------|-----------|-------------|-------|------------------|-------------|--|----------------------|------------------|------------------------|------------|---------------------|--|-------------|
| | | EN 60335 | cURus 60950 | cULus 508 | cULus 61010 | DNVGL | ANSI/ISA 12.12.1 | ATEX/IEC Ex | | | | | | | | |
| 24 VDC | 6.25 | | ■ | ■ | | | | | | | | | | 87.0 | -25 ... +70 | 787-738 |
| | 10.0 | | | | ■ | | | | | | ■ | ■ | | 93.0 | -25 ... +70 | 2787-2346 |
| | 10.0 | | | | ■ | | | | | | ■ | ■ | | 95.0 | -25 ... +70 | 2787-2357 |
| | 10.0 | | ■ | ■ | | | | | | | ■ | ■ | | 91.7 | -25 ... +70 | 787-840 |
| | 10.0 | | ■ | ■ | | | | | | | ■ | ■ | | 91.7 | -25 ... +70 | 787-850 |
| | 10.0 | | ■ | ■ | | | ■ | | | | ■ | ■ | | 90.0 | -25 ... +70 | 787-1640 |
| | 10.0 | | ■ | ■ | | | | | | | ■ | ■ | | 89.0 | -25 ... +70 | 787-740 |
| | 20.0 | | | | ■ | | | | | | ■ | ■ | | 94.8 | -25 ... +70 | 2787-2347 |
| | 20.0 | | | | ■ | | | | | | ■ | ■ | | 96.0 | -25 ... +70 | 2787-2358 |
| | 20.0 | | ■ | ■ | | | | | | | ■ | ■ | | 92.9 | -25 ... +70 | 787-842 |
| | 20.0 | | ■ | ■ | | | | | | | ■ | ■ | | 92.9 | -25 ... +70 | 787-852 |
| | 20.0 | | ■ | ■ | | | ■ | | | | ■ | ■ | | 92.0 | -25 ... +70 | 787-1642 |
| | 20.0 | | ■ | ■ | | | | | | | ■ | ■ | | 90.0 | -25 ... +70 | 787-742 |
| | 20.0 | | ■ | ■ | | | | | | | ■ | ■ | | 90.5 | -20 ... +70 | 787-2742 |
| | 40.0 | | | | ■ | | | | | | ■ | ■ | | 95.0 | -25 ... +70 | 2787-2348 |
| | 40.0 | | ■ | ■ | | | | | | | ■ | ■ | | 93.6 | -25 ... +55 | 787-844 |
| | 40.0 | | ■ | ■ | | | | | | | ■ | ■ | | 93.6 | -25 ... +55 | 787-854 |
| | 40.0 | | ■ | ■ | | | ■ | | | | ■ | ■ | | 92.0 | -25 ... +70 | 787-1644 |
| | 40.0 | | ■ | ■ | | | | | | | ■ | ■ | | 91.5 | -20 ... +70 | 787-2744 |
| | 48 VDC | 10.0 | | ■ | ■ | | | | | | | | | | 93.0 | -25 ... +70 |
| 20.0 | | | ■ | ■ | | | | | | | | | | 94.4 | -25 ... +70 | 787-847 |

Other

| Description | Approvals | | | | | Surrounding air temperature [°C] | Item Number |
|--|-----------|----------|------------|--------------|----------------|----------------------------------|-------------|
| | EN 60950 | UL 60950 | EN 61204-3 | EN 61000-6-3 | DIN EN 60939-2 | | |
| Power supply for fan control | ■ | ■ | ■ | ■ | | | 787-914 |
| Radio interference suppression filter; 1-phase | | | | | ■ | | 787-980 |

■ Yes □ Pending

¹⁾ TopBoost enables magnetic tripping of circuit breakers in the output circuit.

²⁾ NEC Class 2 Power Unit per cURus 1310 or cURus 60950

³⁾ With uninterruptible power supply (UPS)

⁴⁾ Device starts at -40°C, type-tested for 787-8xx, -10xx, -16xx, 2787-2xxx

⁵⁾ .../000-070 is optionally available with protective coating