

Power supplies and UPS

Power supply units

UNO POWER power supplies – compact with basic functionality

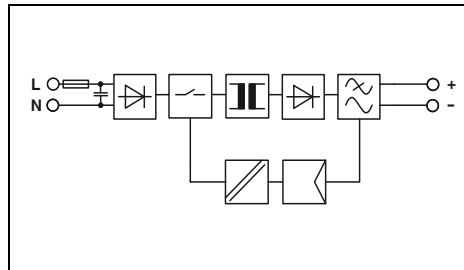
UNO POWER, 1 AC, 12 V DC and 24 V DC

- The wide range of products covers all common voltage levels
- Maximum energy efficiency: save energy thanks to high efficiency and extremely low idling losses
- Save space in the control cabinet thanks to extremely high power density
- Housing height of 84 mm, tailored to all popular 120 mm control boxes
- Wide temperature range from -25°C to +70°C



UNO30-24

**Power supply,
1 AC, 24 DC, 30 W
NEC Class 2**



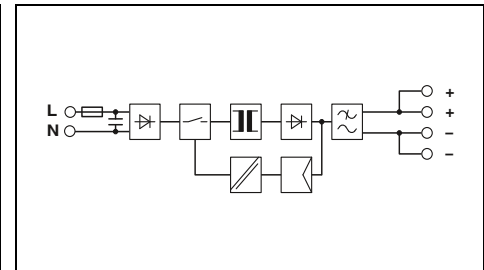
Technical data

Input data	
Nominal input voltage range	100 V AC ... 240 V AC
Input voltage range	85 V AC ... 264 V AC
Frequency range	45 Hz ... 65 Hz
Current consumption (nominal load)	0.5 A (120 V AC) / 0.3 A (230 V AC)
Inrush current limitation at 25°C (typ.) / I ² t	< 20 A / < 0.4 A ² s
Mains buffering (I _N , typ.)	> 25 ms (120 V AC) / > 115 ms (230 V AC)
Output data	
Nominal output voltage	24 V DC ±1 %
Output current	1.25 A
Can be connected in parallel / series	Yes, with redundancy module / Yes
Max. power dissipation (no load / nominal load)	< 0.3 W / < 5 W
Efficiency (typ.)	> 88% (for 230 V AC and nominal values)
Residual ripple	< 60 mV _{pp}
Signaling	
Signaling DC OK	LED
General data	
Weight / Dimensions W x H x D	0.15 kg / 22.5 x 90 x 84 mm
Spacing when mounting	Alignable: 0 mm horizontally, 30 mm vertically
Connection method	Screw connection
Connection data solid / stranded / AWG	0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
Degree of protection / Protection class	IP20 / II
MTBF (IEC 61709, SN 29500)	> 1158000 h (40°C)
Ambient temperature (operation)	-25°C ... 70°C (> 55° C derating: 2.5%/K)
Standards/regulations	
Insulation voltage input/output	3 kV AC (routine test) / 4 kV AC (type test)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Electrical safety	IEC 60950-1/VDE 0805 (SELV)
Electronic equipm. for electrical power installations	EN 50178/VDE 0160 (PELV)
Safe isolation	DIN VDE 0100-410
UL approvals	UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950, NEC Class 2 as per UL 1310
Limitation of harmonic line currents	EN 61000-3-2



UNO60-24

**Power supply,
1 AC, 24 DC, 60 W
NEC Class 2**



Technical data

Input data	
Nominal input voltage range	100 V AC ... 240 V AC
Input voltage range	85 V AC ... 264 V AC
Frequency range	45 Hz ... 65 Hz
Current consumption (nominal load)	1 A (120 V AC) / 0.6 A (230 V AC)
Inrush current limitation at 25°C (typ.) / I ² t	< 30 A / < 0.5 A ² s
Mains buffering (I _N , typ.)	> 20 ms (120 V AC) / > 85 ms (230 V AC)
Output data	
Nominal output voltage	24 V DC ±1 %
Output current	2.5 A
Can be connected in parallel / series	Yes, with redundancy module / Yes
Max. power dissipation (no load / nominal load)	< 0.3 W / < 7 W
Efficiency (typ.)	> 90% (for 230 V AC and nominal values)
Residual ripple	< 30 mV _{pp}
Signaling	
Signaling DC OK	LED
General data	
Weight / Dimensions W x H x D	0.2 kg / 35 x 90 x 84 mm
Spacing when mounting	Alignable: 0 mm horizontally, 30 mm vertically
Connection method	Screw connection
Connection data solid / stranded / AWG	0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
Degree of protection / Protection class	IP20 / II
MTBF (IEC 61709, SN 29500)	> 785000 h (40°C)
Ambient temperature (operation)	-25°C ... 70°C (> 55° C derating: 2.5%/K)
Standards/regulations	
Insulation voltage input/output	3 kV AC (routine test) / 4 kV AC (type test)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Electrical safety	IEC 60950-1/VDE 0805 (SELV)
Electronic equipm. for electrical power installations	EN 50178/VDE 0160 (PELV)
Safe isolation	DIN VDE 0100-410
UL approvals	UL Listed UL 508, UL/C-UL Recognized UL 60950, NEC Class 2 as per UL 1310
Limitation of harmonic line currents	EN 61000-3-2



UNO100-24

Power supply,
1 AC, 24 DC, 100 W



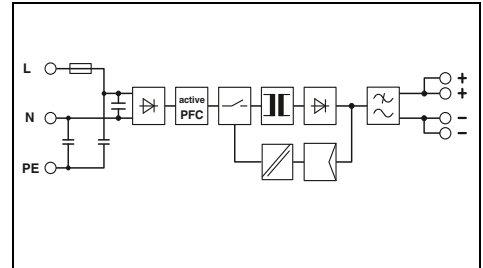
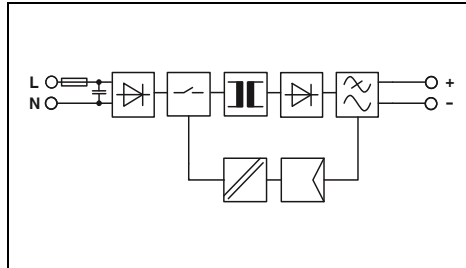
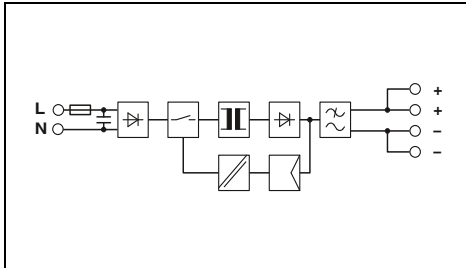
UNO150-24

Power supply,
1 AC, 24 DC, 150 W



UNO240-24

Power supply,
1 AC, 24 DC, 240 W



Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1.7 A (120 V AC) / 1 A (230 V AC)
< 40 A / < 1.5 A²s
> 20 ms (120 V AC) / > 100 ms (230 V AC)

24 V DC ±1 %
4.2 A
Yes, with redundancy module / Yes
< 0.5 W / < 11 W
> 90% (for 230 V AC and nominal values)
< 30 mV_{pp}

LED

0.34 kg / 55 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 738000 h (40°C)
-25°C ... 70°C (> 55°C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL Listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1.4 A (120 V AC) / 0.8 A (230 V AC)
< 50 A / < 0.8 A²s
> 20 ms (120 V AC) / > 20 ms (230 V AC)

24 V DC ±1 %
6.25 A
Yes, with redundancy module / No
< 1.2 W / < 9.7 W
> 94% (for 230 V AC and nominal values)
< 40 mV_{pp}

LED

0.5 kg / 37 x 130 x 125 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 868000 h (40°C)
-25°C ... 70°C (> 55°C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
EN 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL Listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
2.3 A (120 V AC) / 1.2 A (230 V AC)
< 80 A / < 2 A²s
> 10 ms (120 V AC) / > 10 ms (230 V AC)

24 V DC ±1 %
10 A
Yes, with redundancy module / No
< 1.1 W / < 18.8 W
> 93% (for 230 V AC and nominal values)
< 50 mV_{pp}

LED

0.66 kg / 45 x 130 x 125 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / I
> 562000 h (40°C)
-25°C ... 70°C (> 55°C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
EN 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL Listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Power supplies and UPS

Power supply units

UNO POWER power supplies – compact with basic functionality

UNO POWER, 1 AC, 5 V DC, 12 V DC, and 24 V DC

- The wide range of products covers all common voltage levels
- Maximum energy efficiency: save energy thanks to high efficiency and extremely low idling losses
- Save space in the control cabinet thanks to extremely high power density
- Housing height of 84 mm, tailored to all popular 120 mm control boxes
- Wide temperature range from -25°C to +70°C



UNO90-24

**Power supply,
1 AC, 24 DC, 90 W
NEC Class 2**



UNO90-24-400VAC

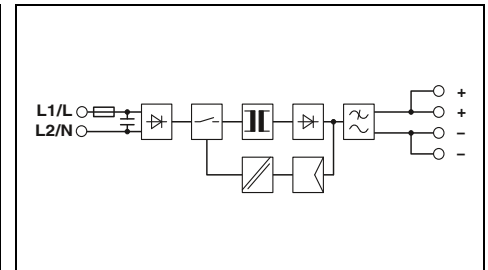
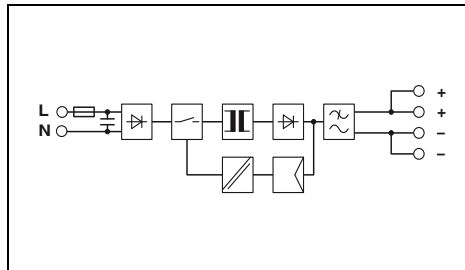
**Power supply,
2 AC, 24 DC, 90 W
NEC Class 2**



UNO POWER, NEC Class 2

Output power limited to 100 W

- Specifically for applications that require certification according to UL 1310/508 Listed Class 2



Technical data

Technical data

Input data
Nominal input voltage range
Input voltage range
Frequency range
Current consumption (nominal load)
Inrush current limitation at 25°C (typ.) / I ² t
Mains buffering (I _N , typ.)
Output data
Nominal output voltage
Output current
Can be connected in parallel / series
Max. power dissipation (no load / nominal load)
Efficiency (typ.)
Residual ripple
Signaling
Signaling DC OK
General data
Weight / Dimensions W x H x D
Spacing when mounting
Connection method
Connection data solid / stranded / AWG
Degree of protection / Protection class
MTBF (IEC 61709, SN 29500)
Ambient temperature (operation)
Standards/regulations
Insulation voltage input/output
Electromagnetic compatibility
Electrical safety
Electronic equipm. for electrical power installations
Safe isolation
UL approvals
Limitation of harmonic line currents

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1.5 A (120 V AC) / 1 A (230 V AC)
< 40 A / < 1.5 A ² s
> 25 ms (120 V AC) / > 100 ms (230 V AC)
24 V DC ±1 %
3.75 A
No / No
< 0.5 W / < 12 W
> 88.5% (for 230 V AC and nominal values)
< 45 mV _{pp}
LED
0.34 kg / 55 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
IP20 / II
> 1159000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)
3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950, NEC Class 2 as per UL 1310
EN 61000-3-2

2x 400 V AC ... 500 V AC
2x 264 V AC ... 575 V AC
45 Hz ... 65 Hz
0.6 A (400 V AC) / 0.5 A (500 V AC)
< 30 A / < 0.5 A ² s
> 65 ms (400 V AC) / > 100 ms (500 V AC)
24 V DC ±1 %
3.75 A / 3.38 A
No / No
< 0.7 W / < 12 W
> 89.5%
< 50 mV _{pp}
LED
0.32 kg / 55 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
IP20 / II
> 828000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)
3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950, NEC Class 2 as per UL 1310
EN 61000-3-2



UNO30-12

Power supply,
1 AC, 12 DC, 30 W



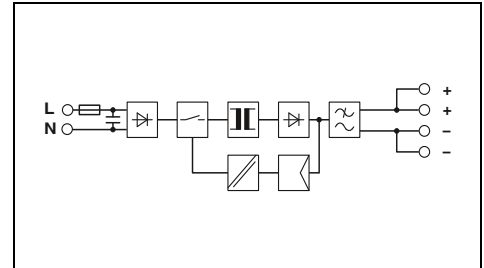
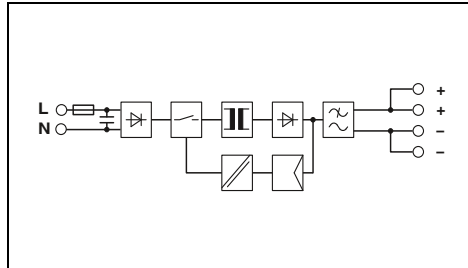
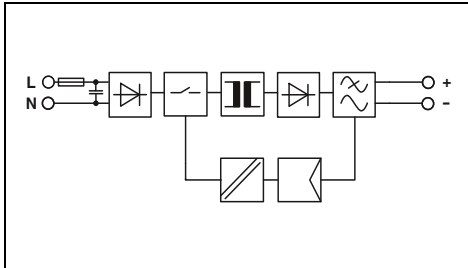
UNO55-12

Power supply,
1 AC, 12 DC, 55 W



UNO100-12

Power supply,
1 AC, 12 DC, 100 W



Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
0.5 A (120 V AC) / 0.3 A (230 V AC)
< 25 A / < 0.3 A²s
> 20 ms (120 V AC) / > 120 ms (230 V AC)

12 V DC ±1 %
2.5 A
Yes, with redundancy module / Yes
< 0.3 W / < 4.6 W
> 87% (for 230 V AC and nominal values)
< 30 mV_{pp}

LED

0.15 kg / 22.5 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 953000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL Listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1 A (120 V AC) / 0.6 A (230 V AC)
< 30 A / < 0.5 A²s
> 20 ms (120 V AC) / > 90 ms (230 V AC)

12 V DC ±1 %
4.6 A
Yes, with redundancy module / Yes
< 0.3 W / < 8 W
> 89% (for 230 V AC and nominal values)
< 30 mV_{pp}

LED

0.2 kg / 35 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 865000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL Listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1.7 A (120 V AC) / 1 A (230 V AC)
< 30 A / < 1.5 A²s
> 20 ms (120 V AC) / > 85 ms (230 V AC)

12 V DC ±1 %
8.3 A
Yes, with redundancy module / Yes
< 0.4 W / < 12 W
> 89.5%
< 75 mV_{pp}

LED

0.34 kg / 55 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 500000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Power supplies and UPS

Power supply units

UNO POWER power supplies – compact with basic functionality

UNO POWER, 1 AC, 15 V DC, 24 V DC, and 48 V DC

- The wide range of products covers all common voltage levels
- Maximum energy efficiency: save energy thanks to high efficiency and extremely low idling losses
- Save space in the control cabinet thanks to extremely high power density
- Housing height of 84 mm, tailored to all popular 120 mm control boxes
- Wide temperature range from -25°C to +70°C



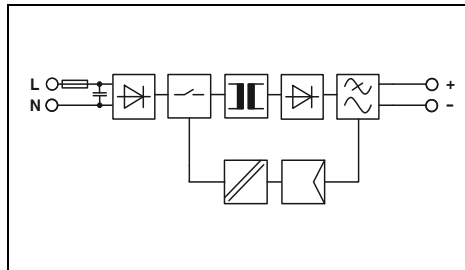
UNO25-5

Power supply,
1 AC, 5 DC, 25 W

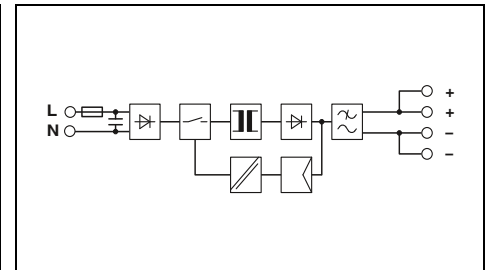


UNO40-5

Power supply,
1 AC, 5 DC, 40 W



Technical data



Technical data

Input data	
Nominal input voltage range	100 V AC ... 240 V AC
Input voltage range	85 V AC ... 264 V AC
Frequency range	45 Hz ... 65 Hz
Current consumption (nominal load)	0.5 A (120 V AC) / 0.3 A (230 V AC)
Inrush current limitation at 25°C (typ.) / I ² t	< 30 A / < 0.5 A ² s
Mains buffering (I _N , typ.)	> 35 ms (120 V AC) / > 135 ms (230 V AC)
Output data	
Nominal output voltage	5 V DC ±1 %
Output current	5 A
Can be connected in parallel / series	Yes, with redundancy module / Yes
Max. power dissipation (no load / nominal load)	< 0.3 W / < 4.5 W
Efficiency (typ.)	> 84%
Residual ripple	< 40 mV _{pp}
Signaling	
Signaling DC OK	LED
General data	
Weight / Dimensions W x H x D	0.15 kg / 22.5 x 90 x 84 mm
Spacing when mounting	Alignable: 0 mm horizontally, 30 mm vertically
Connection method	Screw connection
Connection data solid / stranded / AWG	0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
Degree of protection / Protection class	IP20 / II
MTBF (IEC 61709, SN 29500)	> 2174000 h (40°C)
Ambient temperature (operation)	-25°C ... 70°C (> 55° C derating: 2.5%/K)
Standards/regulations	
Insulation voltage input/output	3 kV AC (routine test) / 4 kV AC (type test)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Electrical safety	IEC 60950-1/VDE 0805 (SELV)
Electronic equipm. for electrical power installations	EN 50178/VDE 0160 (PELV)
Safe isolation	DIN VDE 0100-410
UL approvals	UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950
Limitation of harmonic line currents	EN 61000-3-2

Technical data	
Nominal input voltage range	100 V AC ... 240 V AC
Input voltage range	85 V AC ... 264 V AC
Frequency range	45 Hz ... 65 Hz
Current consumption (nominal load)	0.7 A (120 V AC) / 0.5 A (230 V AC)
Inrush current limitation at 25°C (typ.) / I ² t	< 30 A / < 0.5 A ² s
Mains buffering (I _N , typ.)	> 30 ms (120 V AC) / > 120 ms (230 V AC)
Output data	
Nominal output voltage	5 V DC ±1 %
Output current	8 A
Can be connected in parallel / series	Yes, with redundancy module / Yes
Max. power dissipation (no load / nominal load)	< 0.3 W / < 7.5 W
Efficiency (typ.)	> 85% (for 230 V AC and nominal values)
Residual ripple	< 100 mV _{pp}
Signaling	
Signaling DC OK	LED
General data	
Weight / Dimensions W x H x D	0.21 kg / 35 x 90 x 84 mm
Spacing when mounting	Alignable: 0 mm horizontally, 30 mm vertically
Connection method	Screw connection
Connection data solid / stranded / AWG	0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
Degree of protection / Protection class	IP20 / II
MTBF (IEC 61709, SN 29500)	> 1201000 h (40°C)
Ambient temperature (operation)	-25°C ... 70°C (> 55° C derating: 2.5%/K)
Standards/regulations	
Insulation voltage input/output	3 kV AC (routine test) / 4 kV AC (type test)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Electrical safety	IEC 60950-1/VDE 0805 (SELV)
Electronic equipm. for electrical power installations	EN 50178/VDE 0160 (PELV)
Safe isolation	DIN VDE 0100-410
UL approvals	UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950
Limitation of harmonic line currents	EN 61000-3-2

Technical data	
Nominal input voltage range	100 V AC ... 240 V AC
Input voltage range	85 V AC ... 264 V AC
Frequency range	45 Hz ... 65 Hz
Current consumption (nominal load)	0.7 A (120 V AC) / 0.5 A (230 V AC)
Inrush current limitation at 25°C (typ.) / I ² t	< 30 A / < 0.5 A ² s
Mains buffering (I _N , typ.)	> 30 ms (120 V AC) / > 120 ms (230 V AC)
Output data	
Nominal output voltage	5 V DC ±1 %
Output current	8 A
Can be connected in parallel / series	Yes, with redundancy module / Yes
Max. power dissipation (no load / nominal load)	< 0.3 W / < 7.5 W
Efficiency (typ.)	> 85% (for 230 V AC and nominal values)
Residual ripple	< 100 mV _{pp}
Signaling	
Signaling DC OK	LED
General data	
Weight / Dimensions W x H x D	0.21 kg / 35 x 90 x 84 mm
Spacing when mounting	Alignable: 0 mm horizontally, 30 mm vertically
Connection method	Screw connection
Connection data solid / stranded / AWG	0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
Degree of protection / Protection class	IP20 / II
MTBF (IEC 61709, SN 29500)	> 1201000 h (40°C)
Ambient temperature (operation)	-25°C ... 70°C (> 55° C derating: 2.5%/K)
Standards/regulations	
Insulation voltage input/output	3 kV AC (routine test) / 4 kV AC (type test)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Electrical safety	IEC 60950-1/VDE 0805 (SELV)
Electronic equipm. for electrical power installations	EN 50178/VDE 0160 (PELV)
Safe isolation	DIN VDE 0100-410
UL approvals	UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950
Limitation of harmonic line currents	EN 61000-3-2



UNO30-15

Power supply,
1 AC, 15 DC, 30 W



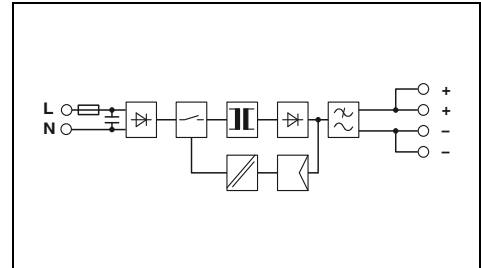
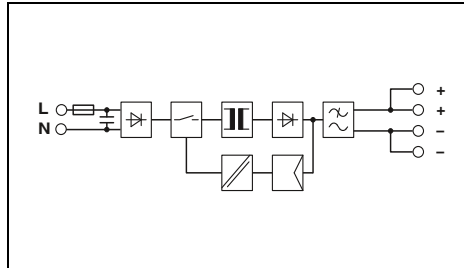
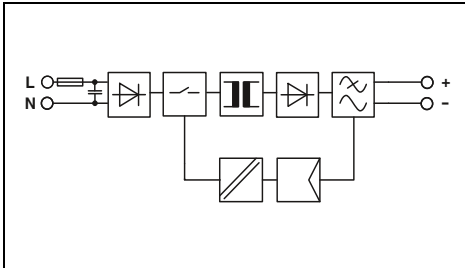
UNO55-15

Power supply,
1 AC, 15 DC, 55 W



UNO100-15

Power supply,
1 AC, 15 DC, 100 W



Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
0.6 A (120 V AC) / 0.4 A (230 V AC)
< 30 A / < 0.3 A²s
> 20 ms (120 V AC) / > 115 ms (230 V AC)

15 V DC ±1 %
2 A
Yes, with redundancy module / Yes
< 0.3 W / < 4.6 W
> 87% (for 230 V AC and nominal values)
< 40 mV_{pp}

LED

0.15 kg / 22.5 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 911000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1 A (120 V AC) / 0.6 A (230 V AC)
< 25 A / < 0.5 A²s
> 25 ms (120 V AC) / > 90 ms (230 V AC)

15 V DC ±1 %
3.7 A
Yes, with redundancy module / Yes
< 0.3 W / < 7 W
> 88.5% (for 230 V AC and nominal values)
< 50 mV_{pp}

LED

0.21 kg / 35 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 647000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1.7 A (120 V AC) / 1 A (230 V AC)
< 30 A / < 1.5 A²s
> 20 ms (120 V AC) / > 85 ms (230 V AC)

15 V DC ±1 %
6.67 A
Yes, with redundancy module / Yes
< 0.4 W / < 12 W
> 89% (for 230 V AC and nominal values)
< 75 mV_{pp}

LED

0.34 kg / 55 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm² / 0.2 - 2.5 mm² / 24 - 14
IP20 / II
> 727000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)

3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950

EN 61000-3-2

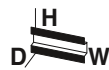
Power supplies and UPS

Power supply units

UNO POWER power supplies – compact with basic functionality

UNO POWER, 1 AC, 24 V DC

- The wide range of products covers all common voltage levels
- Maximum energy efficiency: save energy thanks to high efficiency and extremely low idling losses
- Save space in the control cabinet thanks to extremely high power density
- Wide temperature range from -25°C to +70°C



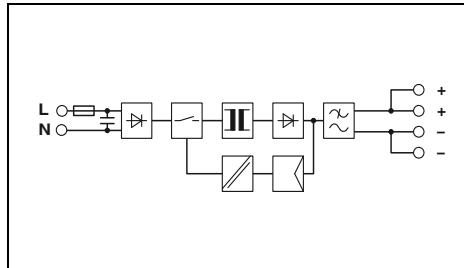
UNO60-48

Power supply,
1 AC, 48 DC, 60 W



UNO100-48

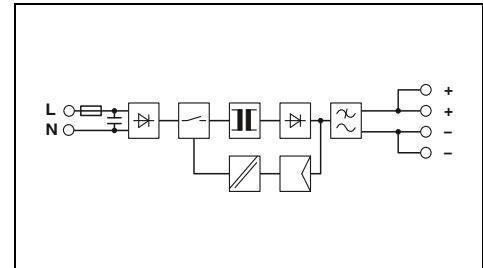
Power supply,
1 AC, 48 DC, 100 W



Technical data

Input data
Nominal input voltage range
Input voltage range
Frequency range
Current consumption (nominal load)
Inrush current limitation at 25°C (typ.) / I ² t
Mains buffering (I _N , typ.)
Output data
Nominal output voltage
Output current
Can be connected in parallel / series
Max. power dissipation (no load / nominal load)
Efficiency (typ.)
Residual ripple
Signaling
Signaling DC OK
General data
Weight / Dimensions W x H x D
Spacing when mounting
Connection method
Connection data solid / stranded / AWG
Degree of protection / Protection class
MTBF (IEC 61709, SN 29500)
Ambient temperature (operation)
Standards/regulations
Insulation voltage input/output
Electromagnetic compatibility
Electrical safety
Electronic equipm. for electrical power installations
Safe isolation
UL approvals
Limitation of harmonic line currents

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1 A (120 V AC) / 0.6 A (230 V AC)
< 30 A / < 0.5 A ² s
> 20 ms (120 V AC) / > 90 ms (230 V AC)
48 V DC ±1 %
1.25 A
Yes, with redundancy module / Yes
< 0.4 W / < 7 W
> 90% (for 230 V AC and nominal values)
< 35 mV _{pp}
LED
0.21 kg / 35 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
IP20 / II
> 1138000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)
3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
DIN VDE 0100-410
UL/C-UL listed UL 508, UL/C-UL Recognized UL 60950
EN 61000-3-2



Technical data

100 V AC ... 240 V AC
85 V AC ... 264 V AC
45 Hz ... 65 Hz
1.7 A (120 V AC) / 1 A (230 V AC)
< 40 A / < 1.4 A ² s
> 25 ms (120 V AC) / > 90 ms (230 V AC)
48 V DC ±1 %
2.1 A
Yes, with redundancy module / Yes
< 0.4 W / < 11 W
> 90% (for 230 V AC and nominal values)
< 40 mV _{pp}
LED
0.34 kg / 55 x 90 x 84 mm
Alignable: 0 mm horizontally, 30 mm vertically
Screw connection
0.2 - 2.5 mm ² / 0.2 - 2.5 mm ² / 24 - 14
IP20 / II
> 1010000 h (40°C)
-25°C ... 70°C (> 55° C derating: 2.5%/K)
3 kV AC (routine test) / 4 kV AC (type test)
Conformance with EMC Directive 2004/108/EC
IEC 60950-1/VDE 0805 (SELV)
EN 50178/VDE 0160 (PELV)
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