

NLD II & SLD Series

Din-Rail power supply

The quality switching power supply
We are leading in Thailand



 **VELMA**
BRAND OF THAILAND



SWITCHING POWER SUPPLY

Product Hilight

- Universal AC input;Single-phase
- Industrial grade design
- High efficiency
- Natural cooling convection
- Complete all-round protection
- High reliability with MTBF up to 500000H.



Single-phase, primary switched mode power supply

NLD-75-12 II

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Screw terminals

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

IEC/EN/UL 61010

Type**NLD-75-12 II****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<1W @24Vdc
Efficiency	>88% @230Vac full load

Other:

Weight (Kg)	0.75 Kg.
MTBF	50,000 H

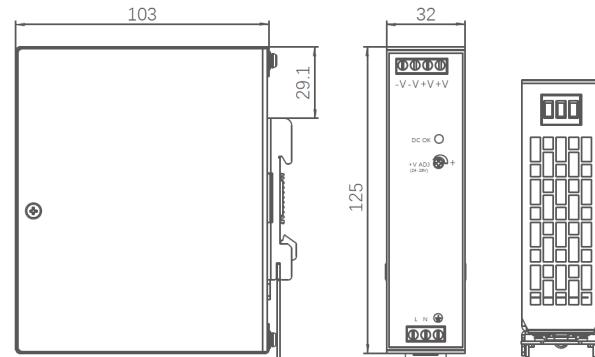
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	12Vdc
DC voltage range	11.4 - 14 Vdc
Output current	6.25A
Load regulation	1.5%
Ripple & Noise	80mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

75W Product size: 32 x 125 x 103mm

**Protection:**

Maximun over voltage	<17V
Over-current	110% - 150%
Over-voltage protection	<80Vac / 112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Screw terminals

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control



Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

IEC/EN/UL 61010

Type**NLD-75-24 II****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<1W @24Vdc
Efficiency	>88% @230Vac full load

Other:

Weight (Kg)	0.50 Kg.
MTBF	50,000 H

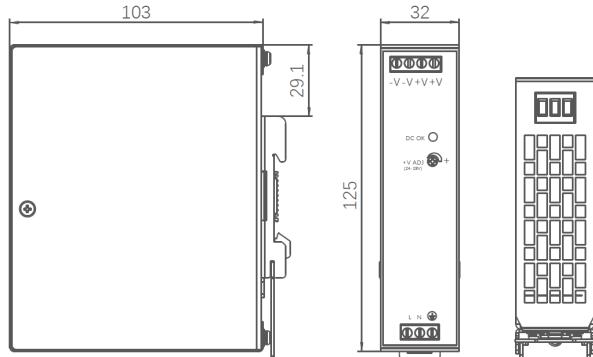
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1 Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	24Vdc
DC voltage range	24-28Vdc
Output current	3.20A
Load regulation	1%
Ripple & Noise	120mV@25'C
Overshoot voltage	+5%
Output rising time	<100ms
Power-on delay	<3.0s@115Vac <1.5s@230Vac
Hold-up time	>20ms@230V >10ms@115V

75W Product size: 32 x 125 x 103mm

**Protection:**

Maximun over voltage	30 - 35 Vdc
Over-current	105 - 130%
Under-voltage protection	Hiccup mode

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

NLD-120-12 II

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Screw terminals

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

IEC/EN/UL 61010

Type**NLD-120-12 II****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<1W @24Vdc
Efficiency	>88% @230Vac full load

Output:

DC rate voltage	12Vdc
DC voltage range	11.4 - 14 Vdc
Output current	10.0A
Load regulation	1.5%
Ripple & Noise	80mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

Protection:

Maximun over voltage	<17V
Over-current	110% - 150%
Over-voltage protection	<80Vac / 112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

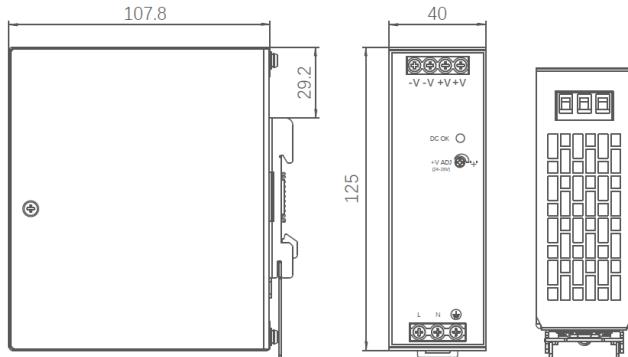
Other:

Weight (Kg)	0.8 Kg.
MTBF	50,000 H

Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

120W Product size: 40 x 125 x 107.8mm



Single-phase, primary switched mode power supply

NLD-120-24 II

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Screw terminals

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

IEC/EN/UL 61010

Type

NLD-120-24 II



Specification:

Input:

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<1W @24Vdc
Efficiency	>89.5% @230Vac full load

Other:

Weight (Kg)	0.55 Kg.
MTBF	50,000 H

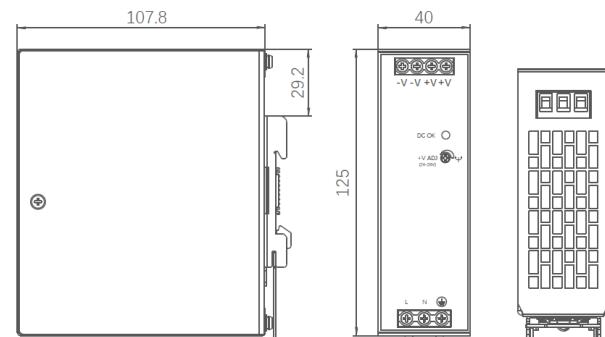
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	24Vdc
DC voltage range	24-28Vdc
Output current	5.0A (5.5A Max)
Load regulation	1%
Ripple & Noise	120mV@25'C
Overshoot voltage	+5%
Output rising time	<100ms
Power-on delay	<3.0s@115Vac <1.5s@230Vac
Hold-up time	>20ms@230V >10ms@115V

120W Product size: 40 x 125 x 107.8mm



Protection:

Maximun over voltage	30 - 35 Vdc
Over-current	105 - 130%
Under-voltage protection	Hiccup mode

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Screw terminals

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

IEC/EN/UL 61010

Type**NLD-240-24 II****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<5W @24Vdc
Efficiency	>91% @230Vac full load

Other:

Weight (Kg)	0.80 Kg.
MTBF	50,000 H

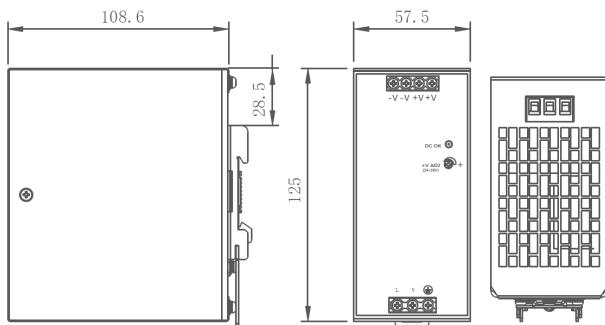
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	24Vdc
DC voltage range	24-28Vdc
Output current	10.0A (11A Max)
Load regulation	1%
Ripple & Noise	120mV@25'C
Overshoot voltage	+5%
Output rising time	<100ms
Power-on delay	<3.0s@115Vac <1.5s@230Vac
Hold-up time	>20ms@230V >10ms@115V

240W Product size: 57.5 x 125 x 108.6mm

**Protection:**

Maximun over voltage	30 - 35 Vdc
Over-current	105 - 130%
Under-voltage protection	90Vac

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

NLD-480-24 II



UK CA UL FCC CB CE

Advantage

- Stabilised and adjustable output voltage
- Fast tripping of conventional circuit breakers
- DC OK signalling
- Parallel operation
- Screw terminals
- Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

IEC/EN/UL 61010

Type

NLD-480-24 II



Specification:

Input:

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<5W @24Vdc
Efficiency	>92.5% @230Vac full load

Other:

Weight (Kg)	1.50 Kg.
MTBF	50,000 H

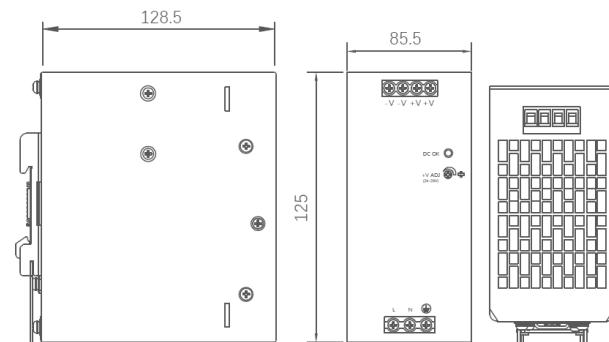
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	24Vdc
DC voltage range	24-28Vdc
Output current	20.0A (22A Max)
Load regulation	1%
Ripple & Noise	150mV@25'C
Overshoot voltage	+5%
Output rising time	<100ms
Power-on delay	<3.0s@115Vac <1.5s@230Vac
Hold-up time	>20ms@230V >10ms@115V

480W Product size: 85.5x 125 x 128.5mm



Protection:

Maximun over voltage	30 - 35 Vdc
Over-current	105 - 130%
Under-voltage protection	90Vac

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

SLD-75-12 High performance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-75-12****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<1W @12Vdc
Efficiency	>97% @230Vac full load

Other:

Weight (Kg)	0.75 Kg.
MTBF	50,000 H

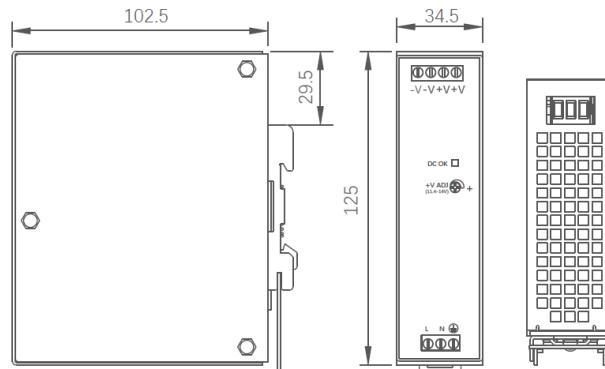
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	12Vdc
DC voltage range	11.4-14Vdc
Output current	6.25A (7A Max)
Load regulation	1.5%
Ripple & Noise	80mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

72W Product size: 34.5 x 125 x 102.5mm

**Protection:**

Maximun over voltage	<17 Vdc
Over-current	110 - 150%
Under-voltage protection	90Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

SLD-75-24 High performance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-75-24****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	/
Standby power loss	<1W @24Vdc
Efficiency	>87.5% @230Vac full load

Other:

Weight (Kg)	0.75 Kg.
MTBF	50,000 H

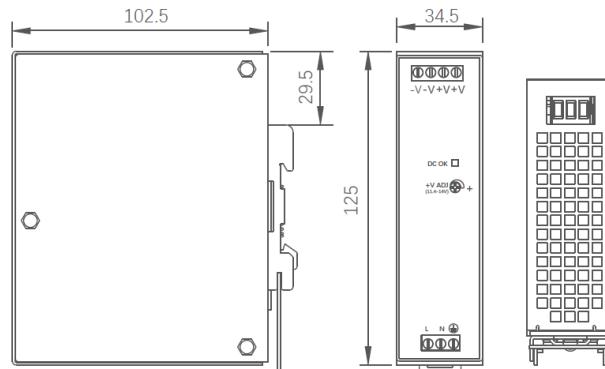
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1 Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	24Vdc
DC voltage range	22.8-28Vdc
Output current	3.2A (3.5A Max)
Load regulation	1.0%
Ripple & Noise	100mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

72W Product size: 34.5 x 125 x 102.5mm

**Protection:**

Maximun over voltage	<34 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

SLD-120-12 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-120-12****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.93@230Vac 0.96@115Vac
Standby power loss	<2.5W @12Vdc
Efficiency	>86.5% @230Vac full load

Other:

Weight (Kg)	0.75 Kg.
MTBF	50,000 H

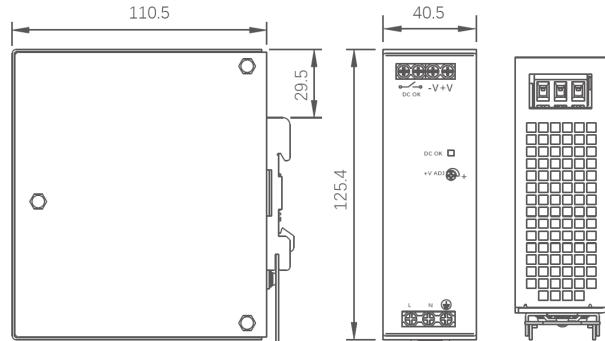
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	12Vdc
DC voltage range	11.4-14Vdc
Output current	10A (11A Max)
Load regulation	1.5%
Ripple & Noise	80mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

120W Product size: 40.5 x 125.4 x 110.5mm

**Protection:**

Maximun over voltage	<17 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

SLD-120-24 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-120-24****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.93@230Vac 0.96@115Vac
Standby power loss	<2.5W @24Vdc
Efficiency	>89.5% @230Vac full load

Output:

DC rate voltage	24Vdc
DC voltage range	22.8-28Vdc
Output current	5.0A (5.5A Max)
Load regulation	1.0%
Ripple & Noise	100mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

Protection:

Maximun over voltage	<17 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

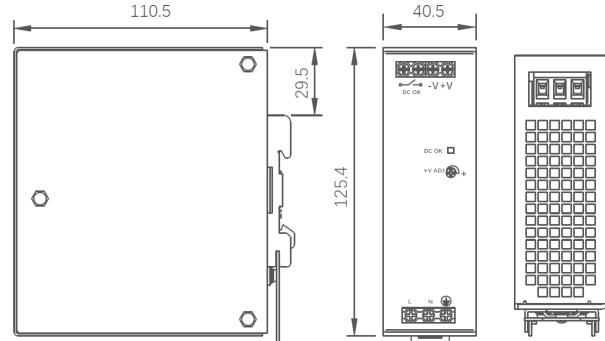
Other:

Weight (Kg)	0.75 Kg.
MTBF	50,000 H

Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

120W Product size: 40.5 x 125.4 x 110.5mm



Single-phase, primary switched mode power supply

SLD-240-24 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-240-24****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.95@230Vac 0.99@115Vac
Standby power loss	<4.0W @24Vdc
Efficiency	>92% @230Vac full load

Output:

DC rate voltage	24Vdc
DC voltage range	22.8-28Vdc
Output current	10A (11A Max)
Load regulation	1.0%
Ripple & Noise	100mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

Protection:

Maximun over voltage	<34 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

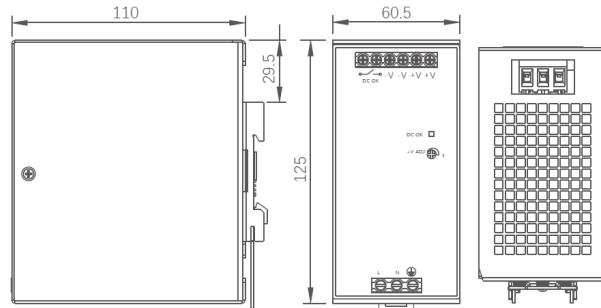
Other:

Weight (Kg)	1.0 Kg.
MTBF	50,000 H

Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

240W Product size: 60.5 x 125 x 110mm



Single-phase, primary switched mode power supply

SLD-240-48 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-240-48****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.95@230Vac 0.99@115Vac
Standby power loss	<4.0W @24Vdc
Efficiency	>92% @230Vac full load

Output:

DC rate voltage	48Vdc
DC voltage range	46-56Vdc
Output current	5A (5.5A Max)
Load regulation	1.0%
Ripple & Noise	150mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

Protection:

Maximun over voltage	<64 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

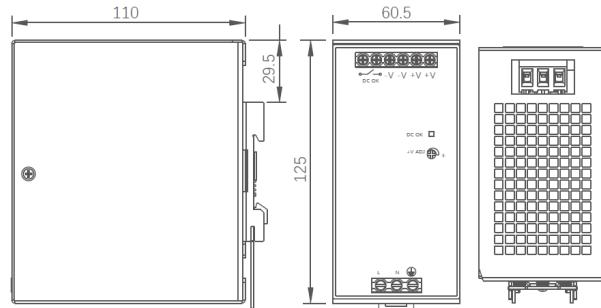
Other:

Weight (Kg)	1.0 Kg.
MTBF	50,000 H

Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

240W Product size: 60.5 x 125 x 110mm



Single-phase, primary switched mode power supply

SLD-480-24 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-480-24****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.98@230Vac 0.99@115Vac
Standby power loss	<4.0W @24Vdc
Efficiency	>93.5% @230Vac full load

Output:

DC rate voltage	24Vdc
DC voltage range	22.8-28Vdc
Output current	20A (22A Max)
Load regulation	1.0%
Ripple & Noise	100mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

Protection:

Maximun over voltage	<34 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

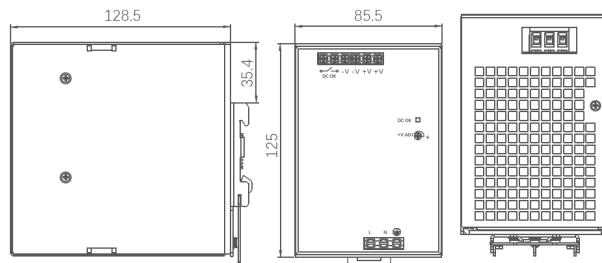
Other:

Weight (Kg)	1.5 Kg.
MTBF	50,000 H

Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

480W Product size: 85.5 x 125 x 128.5mm



Single-phase, primary switched mode power supply

SLD-480-48 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-480-48****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.98@230Vac 0.99@115Vac
Standby power loss	<4.0W @24Vdc
Efficiency	>94% @230Vac full load

Other:

Weight (Kg)	1.5 Kg.
MTBF	50,000 H

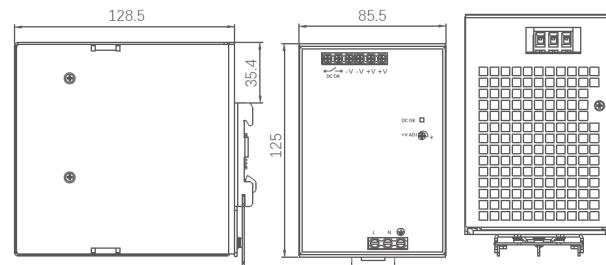
Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

Output:

DC rate voltage	48Vdc
DC voltage range	46-56Vdc
Output current	10.0A (11A Max)
Load regulation	1.0%
Ripple & Noise	150mV@25'C
Overshoot voltage	+5%
Output rising time	<60ms
Power-on delay	<3.0s@230Vac
Hold-up time	>20ms@230V >10ms@115V

480W Product size: 85.5 x 125 x 128.5mm

**Protection:**

Maximun over voltage	<65 Vdc
Over-current	110 - 150%
Under-voltage protection	80Vac/112Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Single-phase, primary switched mode power supply

SLD-960-24 High proformance

Advantage



Stabilised and adjustable output voltage

Fast tripping of conventional circuit breakers

DC OK signalling

Parallel operation

Complete all round protection

Robust DIN rail mounting

Applications

Power Compact combines the basic functionality of an economic switched mode power supply with key additional features to ensure high system availability. A powerful and flexible option that's still light and compact. Our real all-rounders, these power supply units are suitable for a highly diverse range of applications in solar, measurement and control technology and they really come into their own in industrial and building automation. The devices cover the average power requirement from 75 W to 960 W. Versions with 12 V, 24 V, and 48 V are available, which allow a range of applications. A version with 3 A rated current is available for a single or three-phase supply from 180 V to 550 V. The output voltage can be set easily using the rotary potentiometer on the front of the housing. The robust DIN rail fastening method and push-in connection terminals enable fast and secure mounting.



Industrial Automation



Process Control



Traffic & Transport



Solar Power



Electric Control



Building control

Standard

Vibration IEC 60068-2-6

RE/CE EN55032/GB9254 Class B

EMC IEC6100-3-2/GB17625.1 Class A

Type**SLD-960-24****Specification:****Input:**

AC voltage range	90 - 264Vac
DC voltage range	127 - 370Vdc
Rate voltage	115Vac 230Vac
Frequency	47 - 63 Hz
PFC	0.97@230Vac
Standby power loss	<6.5W @24Vdc 0A.
Efficiency	>94% @230Vac full load

Output:

DC rate voltage	24Vdc
DC voltage range	24-28Vdc
Output current	40.0A (42A Max)
Load regulation	1.0%
Ripple & Noise	120mV@25'C
Overshoot voltage	+5%
Output rising time	<100ms
Power-on delay	<1.5s@230Vac
Hold-up time	>15ms@230V

Protection:

Maximun over voltage	<35 Vdc
Over-current	110 - 150%
Under-voltage protection	175Vac/247Vdc

Operating environment:

Operating temperature	-20 to 70'C
Storage temperature	-40 to 85'C
Humidity	9 - 95% (non condensing)
Vibration standard	IEC60068-2-6 10-500 Hz 10min

Other:

Weight (Kg)	2.07 Kg.
MTBF	50,000 H

Safety & EMC:

RE/CE	EN55032/GB9254 Class B
Harmonic current	IEC62000-3-2/GB17625.1Class A
IP Protection	IP20
Safety class	With PE Connection

960W Product size: 110 x 126.5 x 129.4mm

