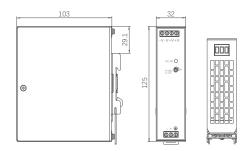
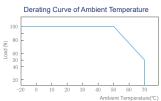


# **Technical specification** (75W Din-Rail Power Supply)

	Technical specification	NLD-75-24								
	DC rated voltage	24V								
	Output voltage range	24~28V								
	Rated output current	3.2A								
	Load regulation	±1.0%								
	Ripple & Noise	120mV@25°C								
Output	Temperature coefficient	±0.03 %/℃								
data	Overshoot voltage	≤5%								
	Voltage overshoot range	24V±5%								
	Output rise time	< 100ms								
	Power-on delay	≤3.0s @115Vac; ≤1.5s @230Vac								
	Hold-up time	≥20ms@230Vac; ≥10ms@115Vac								
	Capacitive load	500μ F/A								
	AC voltage range	90~264Vac								
	DC voltage	127~370Vdc								
	Rated voltage	115Vac; 230Vac								
Input	Frequency range	47~63Hz								
data	PFC	/								
	Inrush current	20A@115Vac; 35A@230Vac, 25°C, Cold start								
	Standby power loss	< 1W @24Vdc								
	Efficiency	≥88% @230Vac full load								
	Maximum over-voltage	30~35Vdc								
Protection	Over-current	105~130%								
	Input under-voltage protection	Hiccup mode								
	Operating temperature	-20°C~70°C(>50°C starts to derating)								
Operating	Storage temperature	-40°C to +85°C								
environment	Humidity	5%~95% (non-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min /1 cycle, 60 min/each axis direction (X、Y、Z)								
O+h	Weight, approx.	< 0.5kg								
Others	MTBF	500,000 H								
0.6.05140	RE/CE	Standard:: EN55032/GB9254 Class B								
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-2/GB17625.1 Class A								

### 75W Product size: 32 x 125 x 103mm





- Natural cooling convection
- Complete all-round protection
- High reliability with MTBF up to 500000H.



Solar Power



Electric Control

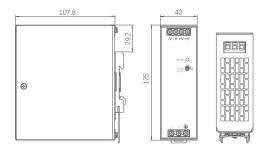


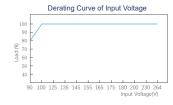
Building control

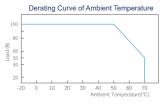
# **Technical specification** (120W Din-Rail Power Supply)

	Technical specification	NLD-120-24								
	DC rated voltage	24V								
	Output voltage range	24~28V								
	Rated output current	5A								
	Load regulation	±1.0%								
	Ripple & Noise	120mV@25℃								
Output	Temperature coefficient	±0.03 %/°C								
data	Overshoot voltage	≤5%								
	Voltage overshoot range	24V±5%								
	Output rise time	< 100ms								
	Power-on delay	≤3.0s @115Vac; ≤1.5s @230Vac								
	Hold-up time	≥16ms@230Vac; ≥10ms@115Vac								
	Capacitive load	500μ F/A								
	AC voltage range	90~264Vac								
	DC voltage	127~370Vdc								
	Rated voltage	115Vac; 230Vac								
Input	Frequency range	47~63Hz								
data	PFC	/								
	Inrush current	20A@115Vac; 35A@230Vac, 25°C, Cold start								
	Standby power loss	< 1W @24Vdc								
	Efficiency	≥89.5% @230Vac full load								
	Maximum over-voltage	30~35Vdc								
Protection	Over-current	105~130%								
	Input under-voltage protection	Hiccup mode								
	Operating temperature	-20°C~70°C(>50°C starts to derating)								
Operating	Storage temperature	-40°C to +85°C								
environment	Humidity	5%~95% (non-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min /1 cycle, 60 min/each axis direction (X, Y, Z)								
O+h	Weight, approx.	< 0.55kg								
Others	MTBF	500,000 H								
C-4-+-0 ENAC	RE/CE	Standard: EN55032/GB9254 Class B								
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-2/GB17625.1 Class A								

### 120W Product size: 40 x 125 x 107.8mm



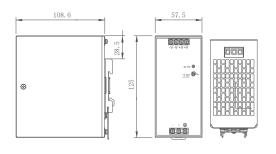


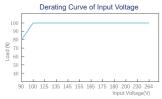


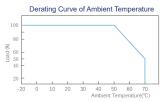
# **Technical specification** (240W Din-Rail Power Supply)

	Technical specification	NLD-240-24								
	DC rated voltage	24V								
	Output voltage range	24~28V								
	Rated output current	10A								
	Load regulation	±1.0%								
	Ripple & Noise	150mV@25℃								
Output	Temperature coefficient	±0.03 %/°C								
data	Overshoot voltage	≤5%								
	Voltage overshoot range	24V±5%								
	Output rise time	<100ms								
	Power-on delay	≤3.0s @115Vac; ≤1.5s @230Vac								
	Hold-up time	≥20ms@230Vac; ≥20ms@115Vac								
	Capacitive load	500μ F/A								
	AC voltage range	90~264Vac								
	DC voltage	127~370Vdc								
	Rated voltage	115Vac; 230Vac								
Input	Frequency range	47~63Hz								
data	PFC	≥0.95/230Vac; ≥0.98/115Vac								
	Inrush current	20A@115Vac; 35A@230Vac, 25°C, Cold start								
	Standby power loss	< 5W @24Vdc								
	Efficiency	≥91% @230Vac full load								
	Maximum over-voltage	30~35Vdc								
Protection	Over-current	105~130%								
	Input under-voltage protection	< 80Vac/113Vdc								
	Operating temperature	-20°C~70°C(>50°C starts to derating)								
Operating	Storage temperature	-40°C to +85°C								
environment	Humidity	5%~95% (non-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min /1 cycle, 60 min/each axis direction (X, Y, Z)								
0.1	Weight, approx.	<0.8kg								
Others	MTBF	500,000 H								
0.6.051.0	RE/CE	Standard:: EN55032/GB9254 Class B								
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-2/GB17625.1 Class A								

### 240W Product size: 57.5 x 125 x 108.6mm



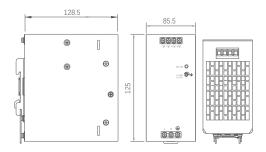


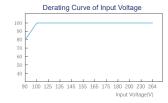


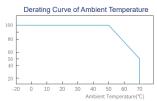
# **Technical specification** (480W Din-Rail Power Supply)

	Technical specification	NLD-480-24								
	DC rated voltage	24V								
	Output voltage range	24~28V								
	Rated output current	20A								
	Load regulation	±1.0%								
	Ripple & Noise	150mV@25℃								
Output	Temperature coefficient	±0.03 %°C								
data	Overshoot voltage	≤5%								
	Voltage overshoot range	24V±5%								
	Output rise time	< 100ms								
	Power-on delay	≤3.0s @115Vac; ≤1.5s @230Vac								
	Hold-up time	≥16ms@230Vac; ≥16ms@115Vac								
	Capacitive load	500μ F/A								
	AC voltage range	90~264Vac								
	DC voltage	127~370Vdc								
	Rated voltage	115Vacc; 230Vac								
Input	Frequency range	47~63Hz								
data	PFC	≥0.95/230Vac; ≥0.98/115Vac								
	Inrush current	20A@115Vac; 35A@230Vac, 25°C, Cold start								
	Standby power loss	< 5W @24Vdc								
	Efficiency	≥92.5% @230Vac full load								
	Maximum over-voltage	30~35Vdc								
Protection	Over-current	105~130%								
	Input under-voltage protection	< 85Vac/120Vdc								
	Operating temperature	-20°C~70°C(>50°C starts to derating)								
Operating	Storage temperature	-40°C to +85°C								
environment	Humidity	5%~95% (non-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min /1 cycle, 60 min/each axis direction (X, Y, Z)								
0.1	Weight, approx.	< 1.5kg								
Others	MTBF	500,000 H								
	RE/CE	Standard:: EN55032/GB9254 Class B								
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-2/GB17625.1 Class A								

### 480W Product\_size: 85.5x 125 x 128.5mm







# SLD SERIES

Din-Rail Power Supply



### Product highlihts

- Universal AC input;Single-phase
- Industrial grade design
- Last for 3 seconds when the input peak current reaches 1.5 times rated
- High efficiency
- Natural cooling convection
- Complete all-round protection
- High reliability with MTBF up to 500000H.







Process Control



ol Traffic & Transport



Solar Power



Electric Control

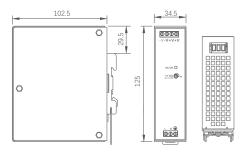


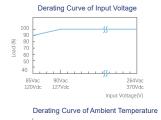
Building control

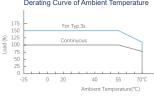
# **Technical specification** (72W Din-Rail Power Supply)

	Technical specification	SLD-72-12	SLD-72-24							
	DC rated voltage	12V	24V							
	Output voltage range	11.4-14V	22.8-28V							
	Rated output current	6A	3A							
	Load regulation	±1.5%	±1.0%							
Output data	Ripple & Noise	80mV@25°C	100mV@25℃							
	Temperature coefficient	±0.2	96/°C							
	Overshoot voltage	≤	5%							
	Voltage overshoot range	12V±5%	24V±5%							
	Output rise time	< 6	0ms							
	Power-on delay	≤3.0S@	0230Vac							
	Hold-up time	≥20ms@230Vac	; ≥10ms@115Vac							
	Capacitive load	500μ F/A								
	AC voltage range	90~264Vac								
	DC voltage	127~370Vdc								
	Rated voltage	115Vac; 230Vac								
Input	Frequency range	47~	63Hz							
data	PFC	/								
	Inrush current	35A@115Vac; 60A@230	OVac, 25°C, Cold start							
	Standby power loss	< 1W/230Vac@12V/0A	< 1W/230Vac@24V/0A							
	Efficiency	≥87%/230Vac@12V/6A	≥87.5%/230Vac@24V/3A							
	Maximum over-voltage	≤17V	≤34V							
Protection	Over-current	110%~150%								
	Input under-voltage protection	< 80Vac	/112Vdc							
	Operating temperature	-20°C~70°C(>55°C starts to derating)								
Operating	Storage temperature	-40℃ to	) +85°C							
environment	Humidity	5%~95% (non	-condensing)							
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min	/1 cycle, 60 min/each axis direction (X, Y, Z)							
0.1	Weight, approx.	< 0.	75kg							
Others	MTBF	500,0	000 H							
0.6.051.0	RE/CE	Standard:: EN5503	2/GB9254 Class B							
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-	-2/GB17625.1 Class A							

### 72W Product size: 34.5 x 125 x 102.5mm



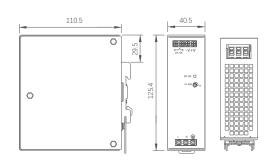


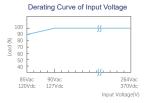


# **Technical specification** (120W Din-Rail Power Supply)

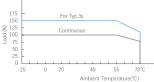
	Technical specification	SLD-120-12	SLD-120-24							
	DC rated voltage	12V	24V							
	Output voltage range	11.4-14V	22.8-28V							
	Rated output current	10A	5A							
Output	Load regulation	±1.5%	±1.0%							
	Ripple & Noise	80mV@25°C	100mV@25°C							
	Temperature coefficient	±0.	2%/°C							
data	Overshoot voltage	\$	≤5%							
	Voltage overshoot range	12V±5%	24V±5%							
	Output rise time	< 6	60ms							
	Power-on delay	≤3.0\$(	@230Vac							
	Hold-up time	≥20ms@230Vac;	≥10ms@115Vac							
	Capacitive load	500	μ F/A							
	AC voltage range	90~264Vac								
	DC voltage	DC voltage 127~370Vdc								
	Rated voltage	115Vac; 230Vac								
Input	Frequency range	47~63Hz								
data	PFC	≥0.93/230Vac, ≥0.96/115Vac, @12V/10A	≥0.93/230Vac, ≥0.96/115Vac, @24V/5A							
	Inrush current	35A@115Vac; 70A@23	30Vac, 25°C, Cold start							
	Standby power loss	< 2.5W/230Vac@12V/0A	< 2.5W/230Vac@24V/0A							
	Efficiency	≥86.5%/230Vac@12V/10A	≥89.5%/230Vac@24V/5A							
	Maximum over-voltage	≤17V	≤34V							
Protection	Over-current	110%	~150%							
	Input under-voltage protection	< 80Vac/112Vdc								
	Operating temperature	-20°C~70°C(>55°C starts to derating)								
Operating	Storage temperature	-40℃ t	to +85°C							
environment	Humidity	5%~95% (non-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min /1 cycle, 60 min/each axis direction (X, Y, Z)								
Othoro	Weight, approx.	< 0	.75kg							
Others	MTBF	500,	000 H							
Cofotus FMC	RE/CE	Standard:: EN5503	32/GB9254 Class B							
Safety&EMC	Harmonic Current	Standard:: IEC61000-3	3-2/GB17625.1 Class A							

### 120W Product size: 40.5 x 125.4 x 110.5mm





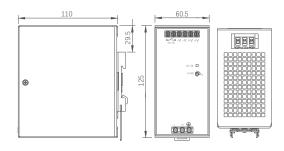


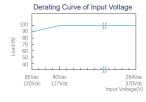


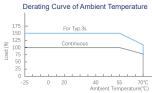
# **Technical specification** (240W Din-Rail Power Supply)

	Technical specification	SLD-240-24	SLD-240-48								
	DC rated voltage	24V	48V								
	Output voltage range	22.8-28V	46-56V								
	Rated output current	10A	5A								
	Load regulation	±1.0%									
	Ripple & Noise	100mV@25℃	150mV@25℃								
Output	Temperature coefficient	±0.2%/°C									
data	Overshoot voltage	<	5%								
	Voltage overshoot range	24V±5%	48V±5%								
	Output rise time	< 100ms	< 100ms								
	Power-on delay	Power-on delay ≤3.0S@230Vac									
	Hold-up time	≥20ms@230Vac; ≥10ms@115Vac									
	Capacitive load	500μ F/A									
	AC voltage range	90~264Vac									
	DC voltage	127~370Vdc									
	Rated voltage	115Vac; 230Vac									
Input data	Frequency range	47~63Hz									
	PFC	≥0.95/230Vac, ≥0.99/115Vac, @24V/10A	≥0.95/230Vac, ≥0.99/115Vac, @48V/5A								
	Inrush current	35A@115Vac; 60A@230Va	c, 25°C, Cold start								
	Standby power loss	< 4.0W/230Vac@24V/0A	< 4.0W/230Vac@48V/0A								
	Efficiency	≥92%/230Vac@24V/10A	≥92%/230Vac@48V/5A								
	Maximum over-voltage	≤34V	≤64V								
Protection	Over-current	110%~15	50%								
Rated output current Load regulation Ripple & Noise  Output data  Overshoot voltage Voltage overshoot range Output rise time Power-on delay Hold-up time Capacitive load  AC voltage range DC voltage Rated voltage Frequency range Input data  PFC Inrush current Standby power loss Efficiency Maximum over-voltage Protection Operating environment  Others  Rated output rise time Power-on delay Hold-up time Capacitive load  AC voltage range DC voltage Rated voltage Frequency range Input Operating temperature Storage temperature Humidity Vibration standard A Others  MTBF  RECCE	< 80Vac/1:	12Vdc									
	Operating temperature	-25°C to +70°C(>55°C starts to derating)									
Operating	Storage temperature	-40°C to +	-85°C								
environment	Humidity	5%~95% (non-	-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 min	/1 cycle, 60 min/each axis direction (X, Y, Z)								
Othoro	Weight, approx.	< 1kg									
Protection  Operating environment	MTBF	500,000	Н								
Protection  Operating environment  Others	RE/CE	Standard:: EN55032	/GB9254 Class B								
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-2/	/GB17625.1 Class A								

### 240W Product size: 60.5 x 125 x 110mm



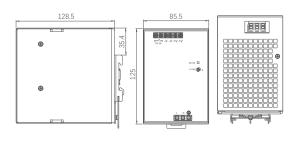


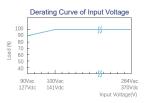


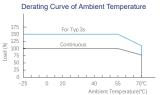
# **Technical specification** (480W Din-Rail Power Supply)

	Technical specification	SLD-480-24	SLD-480-48								
	DC rated voltage	24V	48V								
	Output voltage range	22.8-28V	46-56V								
	Rated output current	20A	10A								
	Load regulation	±1.0%									
Output data	Ripple & Noise	100mV@25℃	150mV@25℃								
	Temperature coefficient	±0.29	%°C								
	Overshoot voltage	≤!	5%								
	Voltage overshoot range	24V±5%	48V±5%								
	Output rise time	< 61	Oms								
	Power-on delay	≤3.0S@	2230Vac								
	Hold-up time	≥20ms@230Vac;	≥10ms@115Vac								
	Capacitive load	500μ F/A									
	AC voltage range	90~264Vac									
	DC voltage	127~3	70Vdc								
	Rated voltage	115Vac; 230Vac									
Input	Frequency range	47~63Hz									
data	PFC	≥0.98/230Vac, ≥0.99/115Vac, @24V/20A	≥0.98/230Vac, ≥0.99/115Vac, @48V/10A								
	Inrush current	10A@115Vac; 20A@230Vac, 25°C, cold start)									
	Standby power loss	< 4.0W/230Vac@24V/0A	< 4.0W/230Vac@48V/0A								
	Efficiency	≥93.5%/230Vac@24V/20A	≥94%/230Vac@48V/10A								
	Maximum over-voltage	≤34V	≤65V								
Protection	Over-current	110%~150%									
	Input under-voltage protection	< 80Vac	c/120Vdc								
	Operating temperature	-25°C to +70°C(>55°C starts to derating)									
Operating	Storage temperature	-40°C to	0°08+ 0								
environment	Humidity	5%~95% (non	-condensing)								
	Vibration standard	Acc.to IEC60068-2-6, 10 ~ 500Hz,2G 10 n	nin /1 cycle, 60 min/each axis direction (X、Y、Z)								
Others	Weight, approx.	<	1.5kg								
Others	MTBF	500	500,000 H								
Cofotus FN40	RE/CE	Standard:: EN5503	32/GB9254 Class B								
Safety&EMC	Harmonic Current	Standard:: IEC61000-3-	2/GB17625.1 Class A								

### 480W Product size: 85.5 x 125 x 128.5mm







# Technical specification (960W Din-Rail Power Supply)

Salety&FIVIC	Safaty&,EMO	(	Others		environment	Operating		Inpu	Protection					data	Input					Output T data											
Harmonic Current	RE/CE	MTBF	Weight, approx.	Vibration standard	Humidity	Storage temperature	Operating temperature	Input under-voltage protection	Over-current	Maximum over-voltage	Efficiency	Standby power loss	Inrush current	PFC	Frequency range	Rated voltage	DC voltage	AC voltage range	Capacitive load	Hold-up time	Power-on delay	Output rise time	Voltage overshoot range	Overshoot voltage	Temperature coefficient	Ripple & Noise	Load regulation	Rated output current	Output voltage range	DC rated voltage	Technical specification
Standard: IEC61000-3-2/GB17625.1 Class A	Standard: EN55032/GB9254 Class B	150,000 H	<2.07kg	Acc.to IEC60068-2-6,10 $\sim$ 500Hz, 2G 10 min /1 cycle, 60 min/each axis direction (X, Y, Z)	5% ~ 90% (non-condensing)	-40°C to +85°C	-30°C to +70°C(>50°C starts to derating)	<175Vac /247Vdc	105%~130%	≤35V	≥94%/230Vac@24V/40A	<6.5W/230Vac@24V/0A	<25A@230Vac, 25°C, Cold start	≥0.97/230Vac, @24V/40A	45 ~ 65Hz	230Vac	254~370Vdc	180~264Vac	500μF/A	≥15ms@230Vac	≤1.5S@230Vac	<100ms	24V±5%	≤5%	±0.3%o/°C	120mV@25°C	±1.0%	40A	24-28V	24V	SLD-960-24

960W Product size: 110  $\times$  126.5  $\times$  129.4mm

