

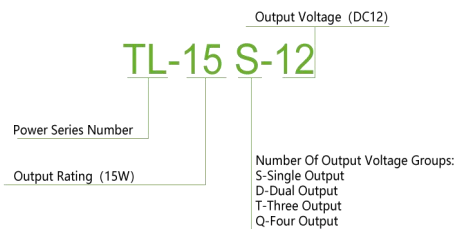
**TL-15S SERIES**

**Product features:**

- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

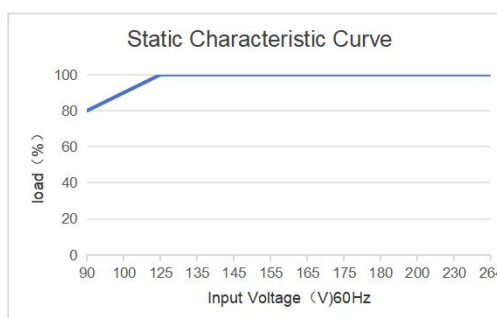
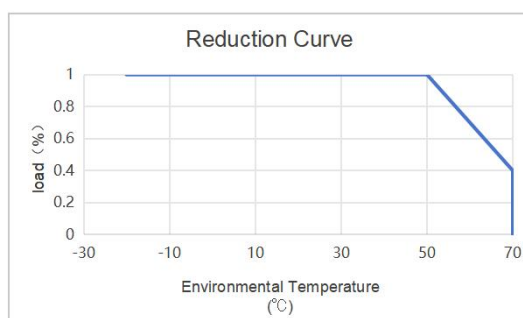
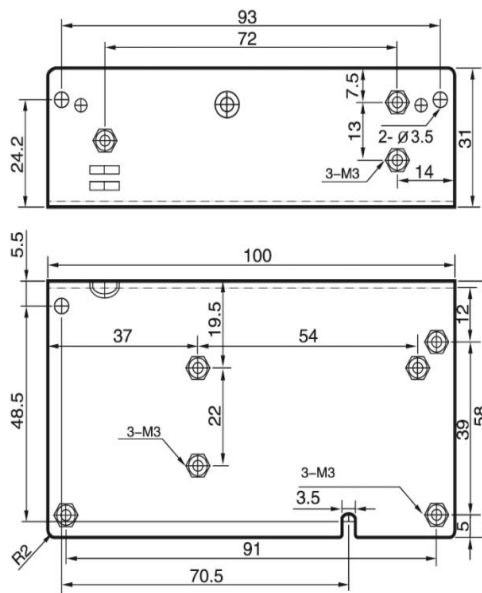
TL15S series is a 15W single-group output enclosed power supply, voltage input range 90-264VAC, with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low consumption, high efficiency, high reliability, and superior EMC performance, which can ensure that the product works stably over a long period of time.

**Model Naming Rules:**
**AC/DC Single Output:**


Model		TL-15S-5V	TL-15S-12V	TL-15S-24V
Serial Number		TL AC/DC		
Specifications And Models		15S-5	15S-12	15S-24V
Output Characteristics	Output Voltage	5V	12V	24V
	Rated Current	3A	1.3A	0.7A
	Rated Power	15W		
	Linear Adjustment Rate	≤0.5%		
	Adjustable Range	±10%		
	Ripple And Noise	≤1% Vout		
	Overall Efficiency	71%	75%	80%
	Rise Time	50ms (230Vac, full load)		
	Hold Time	20ms (230Vac, full load)		
Input Characteristics	Input Voltage	90-264VAC		
	Input Frequency	47~63HZ		
	Surge Current	40A/230VAC (cold)		
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%		
	Storage Temperature	-20°C ~ 85°C		
	Humidity	20% to 90% RH (No condensation)		

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 115%-150% (self-restoring)
	<b>MTBF</b>	MTBF ≥ 5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.126kg
	<b>Gross Weight</b>	0.132kg (bubble wrap)
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	100×58×31mm
	<b>Packing Size</b>	Bubble wrap
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

Installation Size:



**TL-25S SERIES**

**Product features:**

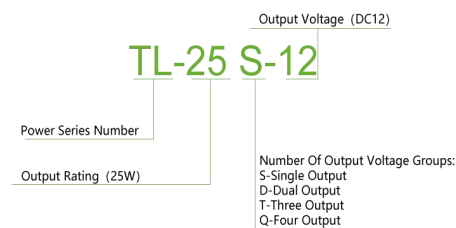
- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

TL25S series is a 25W single-group output enclosed power supply, voltage input range 90-264VAC, with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low consumption, high efficiency, high reliability, and superior EMC performance, which can ensure that the product works stably over a long period of time.

**Model Naming Rules:**

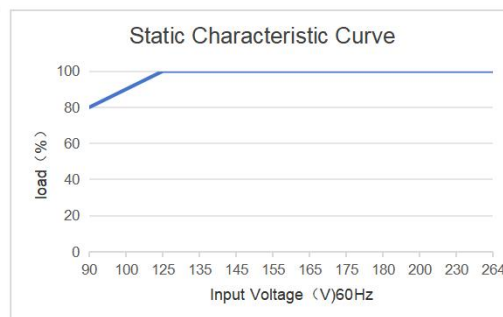
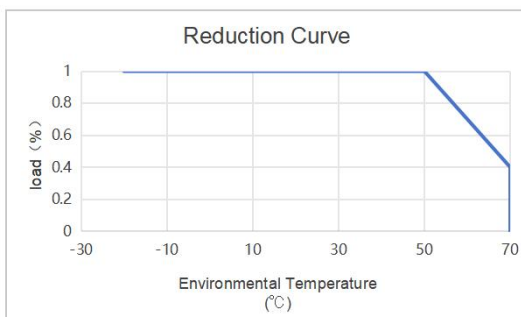
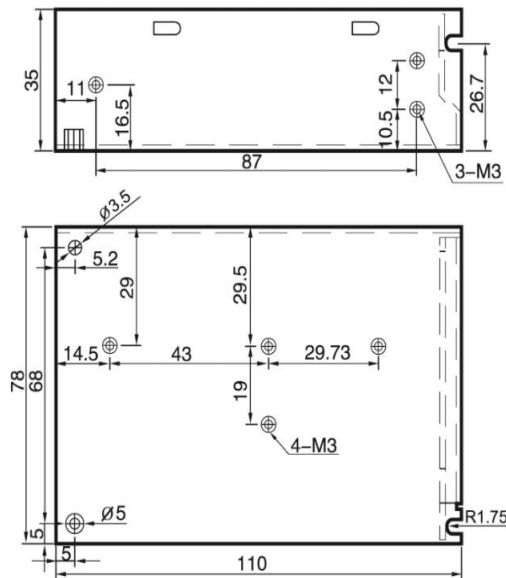
### AC/DC Single Output:



Model		TL-25S-5V	TL-25S-12V	TL-25S-24V
Serial Number		TL AC/DC		
Specifications And Models		25S-5	25S-12	25S-24V
Output Characteristics	Output Voltage	5V	12V	24V
	Rated Current	5A	2.1A	1A
	Rated Power	25W		
	Linear Adjustment Rate	≤0.5%		
	Adjustable Range	±10%		
	Ripple And Noise	≤1% Vout		
	Overall Efficiency	75%	80%	82%
	Rise Time	50ms (230Vac, full load)		
	Hold Time	20ms (230Vac, full load)		
Input Characteristics	Input Voltage	90-264VAC		
	Input Frequency	47~63HZ		
	Surge Current	40A/230VAC (cold)		
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%		
	Storage Temperature	-20°C ~ 85°C		
	Humidity	20% to 90% RH (No condensation)		

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 115%-150% (self-restoring)
	<b>MTBF</b>	MTBF≥5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.190kg
	<b>Gross Weight</b>	0.211kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	110*78*35mm
	<b>Packing Size</b>	117*85*42mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



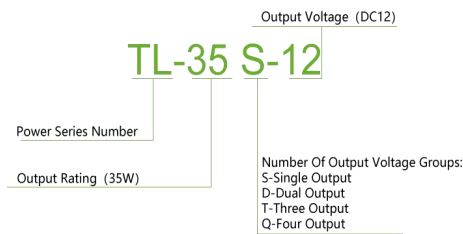
**TL-35S SERIES**

**Product features:**

- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

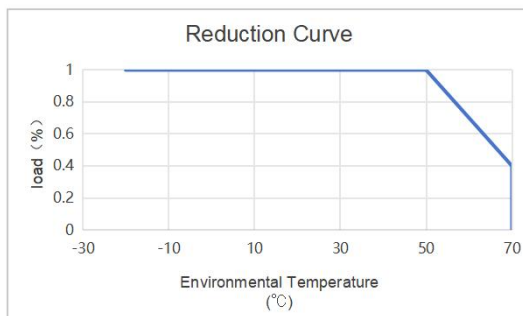
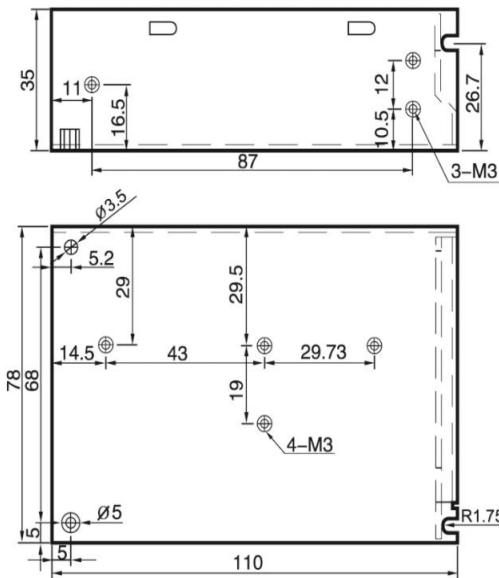
TL35S series is a 35W single-group output enclosed power supply, voltage input range 90-264VAC, with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low consumption, high efficiency, high reliability, and superior EMC performance, which can ensure that the product works stably over a long period of time.

**Model Naming Rules:**
**AC/DC Single Output:**


Model		TL-35S-5V	TL-35S-12V	TL-35S-24V
Serial Number		TL AC/DC		
Specifications And Models		35S-5	35S-12	35S-24V
Output Characteristics	Output Voltage	5V	12V	24V
	Rated Current	7A	3A	1.5A
	Rated Power	35W		
	Linear Adjustment Rate	≤0.5%		
	Adjustable Range	±10%		
	Ripple And Noise	≤1% Vout		
	Overall Efficiency	75%	80%	82%
	Rise Time	50ms (230Vac, full load)		
	Hold Time	20ms (230Vac, full load)		
Input Characteristics	Input Voltage	90-264VAC		
	Input Frequency	47~63HZ		
	Surge Current	40A/230VAC (cold)		
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%		
	Storage Temperature	-20°C ~ 85°C		
	Humidity	20% to 90% RH (No condensation)		

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 115%-150% (self-restoring)
	<b>MTBF</b>	MTBF≥5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.197kg
	<b>Gross Weight</b>	0.215kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	110*78*35mm
	<b>Packing Size</b>	117*85*42mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

Installation Size:

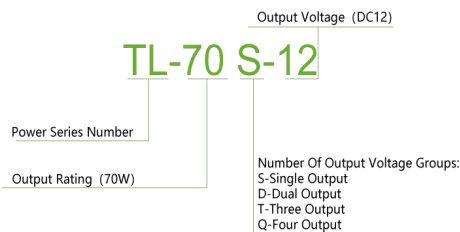


**TL-70S SERIES**
**Product features:**

- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications


**Product Description:**

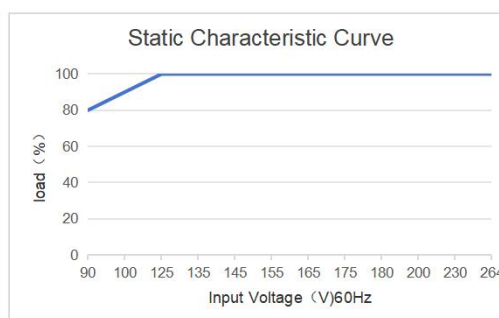
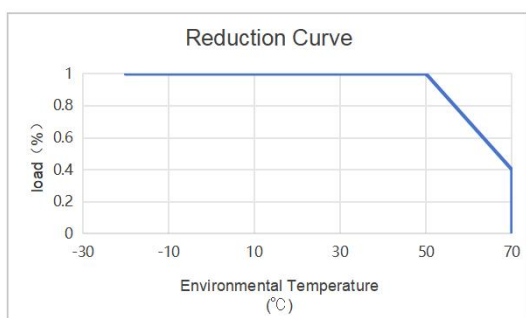
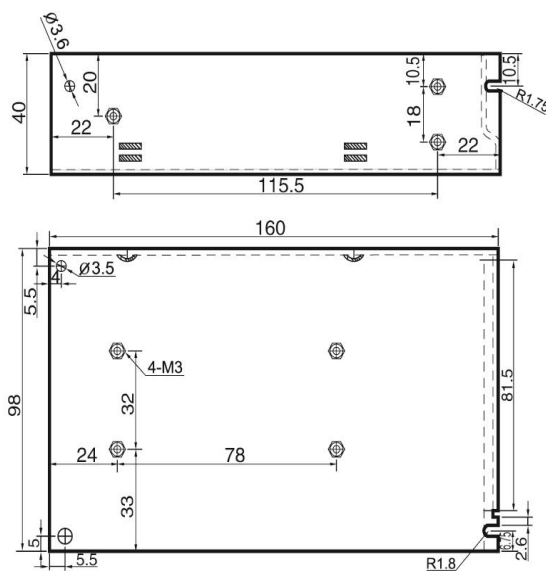
TL70S series is a 70W single-group output enclosed power supply, voltage input range 90-264VAC, with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low consumption, high efficiency, high reliability, and superior EMC performance, which can ensure that the product works stably over a long period of time.

**Model Naming Rules:**
**AC/DC Single Output:**


Model		TL-70S-5V	TL-70S-12V	TL-70S-24V
Serial Number		TL AC/DC		
Specifications And Models		70S-5	70S-12	70S-24V
Output Characteristics	Output Voltage	5V	12V	24V
	Rated Current	12A	6A	3A
	Rated Power	70W		
	Linear Adjustment Rate	≤0.5%		
	Adjustable Range	±10%		
	Ripple And Noise	≤1% Vout		
	Overall Efficiency	72%	80%	82%
	Rise Time	50ms (230Vac, full load)		
	Hold Time	20ms (230Vac, full load)		
Input Characteristics	Input Voltage	90-264VAC		
	Input Frequency	47~63HZ		
	Surge Current	40A/230VAC (cold)		
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%		
	Storage Temperature	-20°C ~ 85°C		
	Humidity	20% to 90% RH (No condensation)		

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 115%-150% (self-restoring)
	<b>MTBF</b>	MTBF≥5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.332kg
	<b>Gross Weight</b>	0.363kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	160*98*40mm
	<b>Packing Size</b>	165*104*50mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**

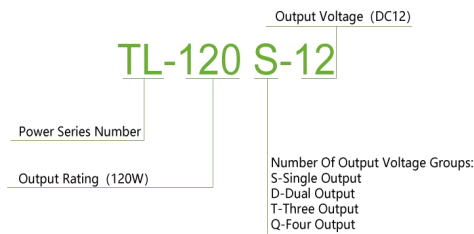


**TL-120S SERIES**
**Product features:**

- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications


**Product Description:**

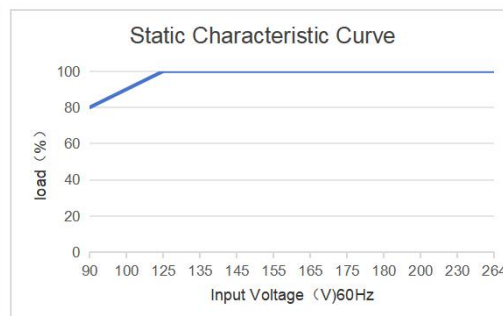
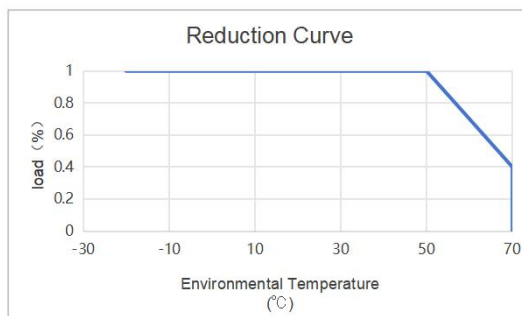
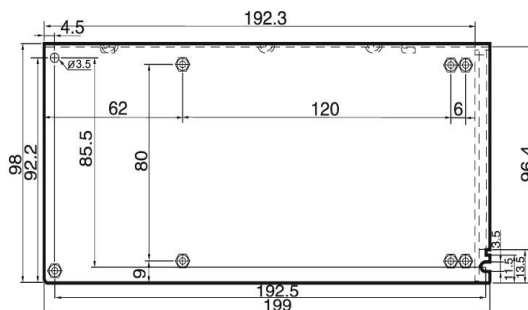
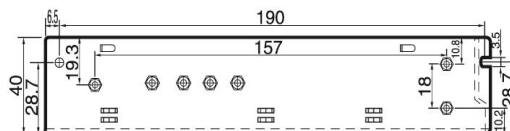
TL120S series is a 120W single-group output enclosed power supply, voltage input range 90-264VAC, with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low consumption, high efficiency, high reliability, and superior EMC performance, which can ensure that the product works stably over a long period of time.

**Model Naming Rules:**
**AC/DC Single Output:**


Model		TL-120S-12V	TL-120S-24V	TL-120S-42V
Serial Number		TL AC/DC		
Specifications And Models		120S-12	120S-24V	120S-42V
Output Characteristics	Output Voltage	12V	24V	42V
	Rated Current	10A	5A	3A
	Rated Power	120W		
	Linear Adjustment Rate	≤0.5%		
	Adjustable Range	±10%		
	Ripple And Noise	≤1% Vout		
	Overall Efficiency	82%	84%	85%
	Rise Time	50ms (230Vac, full load)		
	Hold Time	20ms (230Vac, full load)		
Input Characteristics	Input Voltage	90-264VAC		
	Input Frequency	47~63HZ		
	Surge Current	40A/230VAC (cold)		
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%		
	Storage Temperature	-20°C ~ 85°C		
	Humidity	20% to 90% RH (No condensation)		

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery/shutdown) Overload protection 110%-130% (self-recovery/shutdown)
	<b>MTBF</b>	MTBF≥5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.444kg
	<b>Gross Weight</b>	0.482kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	199*98*40mm
	<b>Packing Size</b>	205*105*45mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

Installation Size:



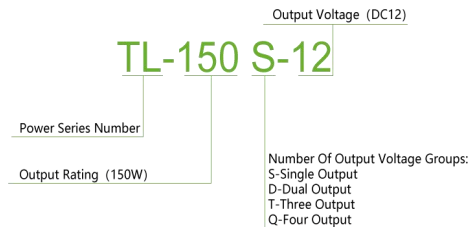
**TL-150S SERIES**

**Product features:**

- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

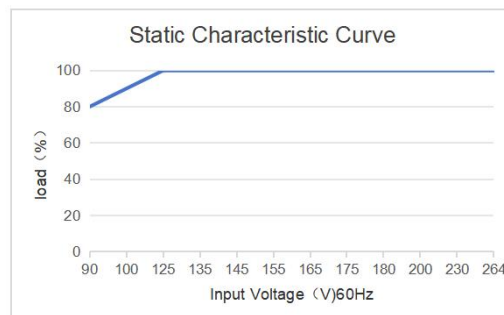
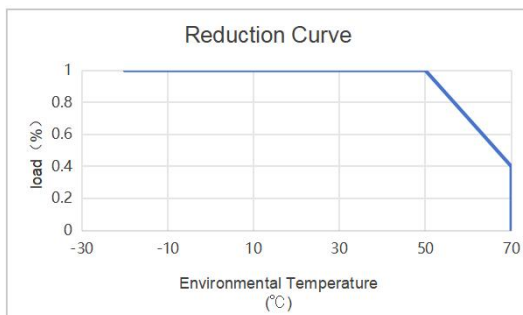
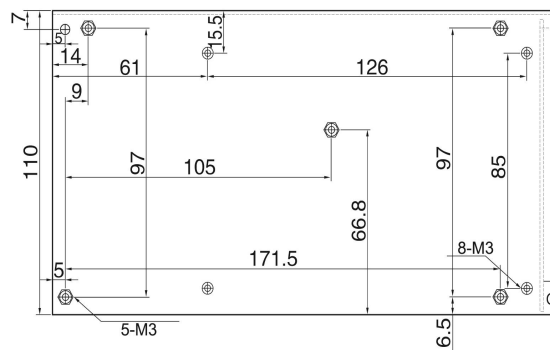
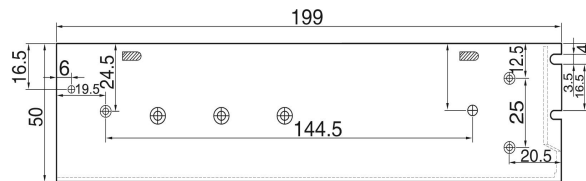
TL150S series is a 250W single-group output closed-type power supply, the voltage input range of 90-132VAC/180-264VAC (through the switch switch), with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low power consumption, high efficiency, high reliability, as well as superior EMC performance, which can ensure that the product works stably for a long period of time.

**Model Naming Rules:**
**AC/DC Single Output:**


Model		TL-150S-12V	TL-150S-24V	TL-150S-36V	TL-150S-48V
Serial Number		TL AC/DC			
Specifications And Models		150S-12	150S-24	150S-36	150S-48
Output Characteristics	Output Voltage	12V	24V	36V	48V
	Rated Current	12.5A	6.5A	4.5A	3A
	Rated Power	150W			
	Linear Adjustment Rate	≤0.5%			
	Adjustable Range	±10%			
	Ripple And Noise	≤1% Vout			
	Overall Efficiency	82%	83%	84%	85%
	Rise Time	50ms (230Vac, full load)			
Hold Time	20ms (230Vac, full load)				
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)			
	Input Frequency	47~63HZ			
	Surge Current	40A/230VAC (cold)			
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%			
	Storage Temperature	-20°C ~ 85°C			
	Humidity	20% to 90% RH (No condensation)			

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery/shutdown) Overload protection 110%-130% (self-recovery/shutdown)
	<b>MTBF</b>	MTBF ≥ 5x10 <sup>4</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.673kg
	<b>Gross Weight</b>	0.725kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	199*110*50mm
	<b>Packing Size</b>	203*113*55mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



## TL-250S SERIES


**Product features:**

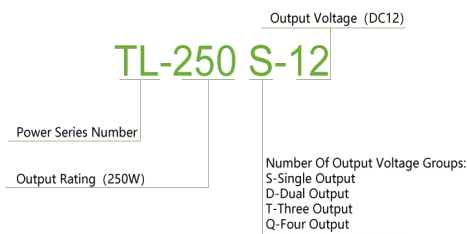
- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Natural air cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

TL250S series is a 250W single-group output closed-type power supply, the voltage input range of 90-132VAC/180-264VAC (through the switch switch), with a global input voltage range, AC and DC dual-use characteristics, and at the same time has a high cost-effective, low power consumption, high efficiency, high reliability, as well as superior EMC performance, which can ensure that the product works stably for a long period of time.

**Model Naming Rules:**

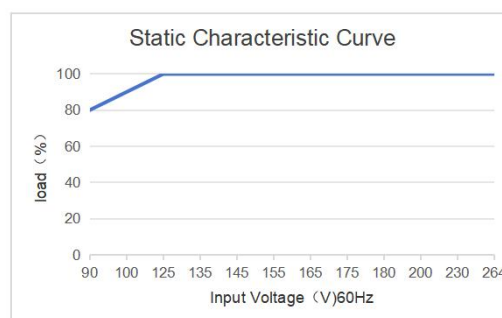
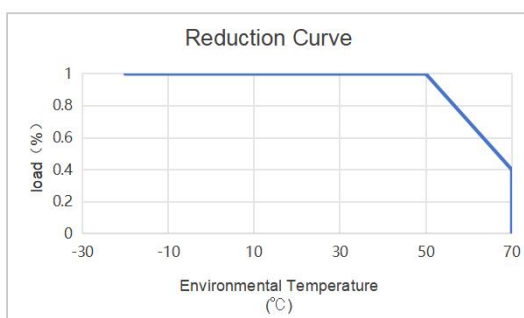
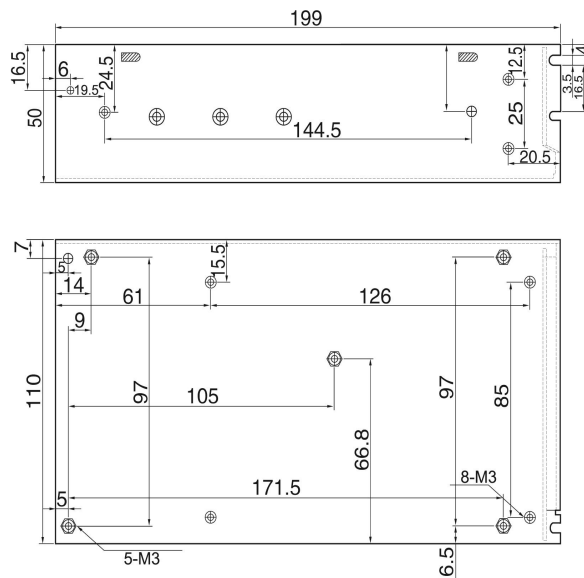
## AC/DC Single Output:



Model		TL-250S-7V	TL-250S-12V	TL-250S-24V	TL-250S-36V	TL-250S-48V
Serial Number		TL AC/DC				
Specifications And Models		250S-7	250S-12	250S-24	250S-36	250S-48
Output Characteristics	Output Voltage	7V	12V	24V	36V	48V
	Rated Current	36A	20A	10A	9.7A	5A
	Rated Power	250W				
	Linear Adjustment Rate	≤0.5%				
	Adjustable Range	±10%				
	Ripple And Noise	≤1% Vout				
	Overall Efficiency	80%	82%	84%	84%	85%
	Rise Time	50ms(230Vac, when fully loaded)				
Hold Time	20ms(230Vac, when fully loaded)					
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)				
	Input Frequency	47~63HZ				
	Surge Current	40A/230VAC(cold)				
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%				
	Storage Temperature	-20°C ~ 85°C				
	Humidity	20% to 90% RH (No condensation)				

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin~Vout/1500VAC/min Vin~FG/1500VAC/min Vout~FG/500VAC/min
	<b>Leakage Current</b>	<0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery/shutdown) Overload protection 110%-130% (self-recovery/shutdown)
	<b>MTBF</b>	MTBF>5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Natural cooling
	<b>Net Weight</b>	0.742kg
	<b>Gross Weight</b>	0.786kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	199*110*50mm
	<b>Packing Size</b>	207*116*57mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



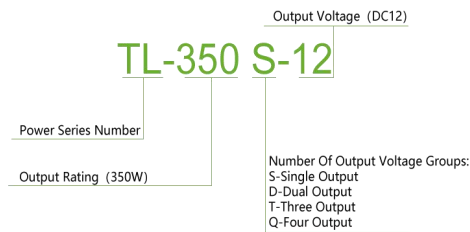
**TL-350S SERIES**

**Product features:**

- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Fan cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

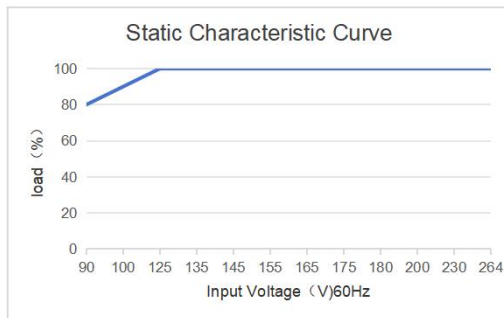
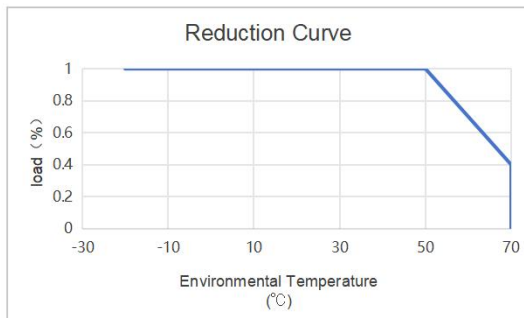
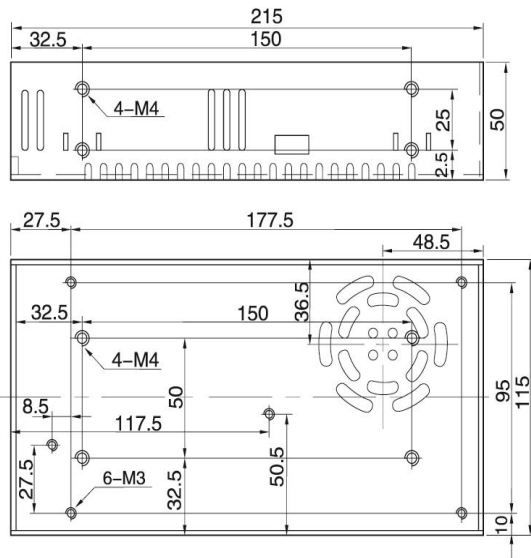
TL-350S is a 350W single-group output enclosed power supply, voltage input range: 90-132VAC/180-264VAC (switch on via switch), 240-370VDC (switch on 230VAC), the whole series provides 12V,24V,36V,48V, with a built-in long-life fan, so that the power supply can be operated with full load in the temperature range of -20°C to +70°C temperature range. And with complete protection features, complying with full international safety regulations, they provide a cost-effective solution for a variety of industrial applications.

**Model Naming Rules:**
**AC/DC Single Output:**


Model		TL-350S-12V	TL-350S-24V	TL-350S-36V	TL-350S-48V
Serial Number		TL AC/DC			
Specifications And Models		350S-12	350S-24	350S-36	350S-48
Output Characteristics	Output Voltage	12V	24V	36V	48V
	Rated Current	29A	14.5A	9.7A	7.2A
	Rated Power	350W			
	Linear Adjustment Rate	≤0.5%			
	Adjustable Range	±10%			
	Ripple And Noise	≤1% Vout			
	Overall Efficiency	82%	87%	89%	89%
	Rise Time	50ms (230Vac, full load)			
Hold Time	20ms (230Vac, full load)				
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)			
	Input Frequency	47~63HZ			
	Surge Current	40A/230VAC (cold)			
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%,60°C@40%			
	Storage Temperature	-20°C ~ 85°C			
	Humidity	20% to 90% RH (No condensation)			

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 110%-130% (self-restoring)
	<b>MTBF</b>	MTBF≥5x10 <sup>4</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Fan cooling
	<b>Net Weight</b>	0.789kg
	<b>Gross Weight</b>	0.821kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	215*115*50mm
	<b>Packing Size</b>	233*118*55mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



TL-400S SERIES

**Product features:**



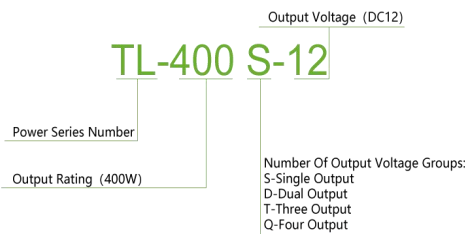
- International universal full-range AC input
- Imported brand components are used for key components
- LED power indicator
- Fan cooling
- Protection types: short circuit, over current
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Meets 5000 meter altitude applications

**Product Description:**

TL-400S is a 400W single-group output enclosed power supply, voltage input range: 90-132VAC/180-264VAC (switch on via switch), 240-370VDC (switch on 230VAC), the whole series provides 12V,24V,36V,48V,60V,with a built-in long-life fan, so that the power supply can be operated with full load in the temperature range of -20°C to +70 °C temperature range. And with complete protection features, complying with full international safety regulations, they provide a cost-effective solution for a variety of industrial applications.

**Model Naming Rules:**

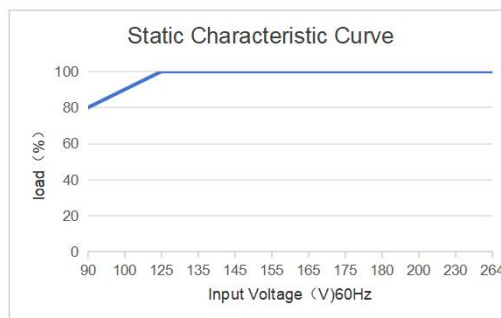
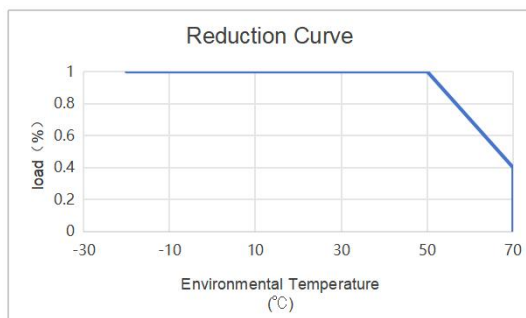
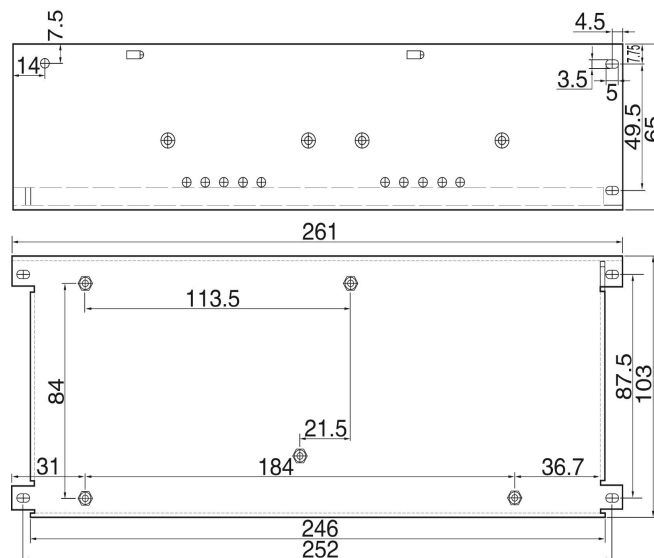
AC/DC Single Output:



Model		TL-400S-12V	TL-400S-24V	TL-400S-36V	TL-400S-48V	TL-400S-60V
Serial Number		TL AC/DC				
Specifications And Models		400S-12	400S-24	400S-36	400S-48	400S-60
Output Characteristics	Output Voltage	12V	24V	36V	48V	60V
	Rated Current	33A	16.6A	11A	10A	8.5A
	Rated Power	400W				
	Linear Adjustment Rate	≤0.5%				
	Adjustable Range	±10%				
	Ripple And Noise	≤1% Vout				
	Overall Efficiency	80%	82%	83%	84%	85%
	Rise Time	50ms(230Vac, when fully loaded)				
Hold Time	20ms(230Vac, when fully loaded)					
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)				
	Input Frequency	47~63HZ				
	Surge Current	40A/230VAC(cold)				
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%,-10°C@80%,60°C@40%				
	Storage Temperature	-20°C ~ 85°C				
	Humidity	20% to 90% RH (No condensation)				

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin~Vout/1500VAC/min Vin~FG/1500VAC/min Vout~FG/500VAC/min
	<b>Leakage Current</b>	<0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 110%-130% (self-restoring)
	<b>MTBF</b>	MTBF>5x10 <sup>4</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Fan cooling
	<b>Net Weight</b>	1.03kg
	<b>Gross Weight</b>	1.09kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	261*103*65mm
	<b>Packing Size</b>	268*110*72mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



## TL-600S SERIES


**Product features:**

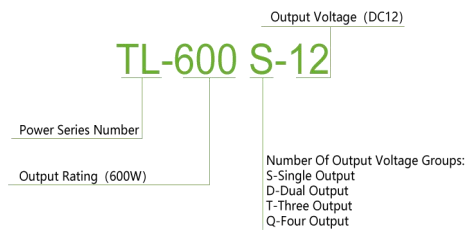
- International universal full-range AC input
- Imported brand components are used for key components
- AC input range switched via switch
- Fan cooling
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Protection types: short circuit, over current
- Meets 5000 meter altitude applications

**Product Description:**

TL-600S is a 600W single-group output enclosed power supply, voltage input range: 90-132VAC/180-264VAC (switch on via switch), 240-370VDC (switch on 230VAC), the whole series provides 12V,24V,36V,48V, with a built-in long-life fan, so that the power supply can be operated with full load in the temperature range of -20°C to +70°C temperature range. And with complete protection features, complying with full international safety regulations, they provide a cost-effective solution for a variety of industrial applications.

**Model Naming Rules:**

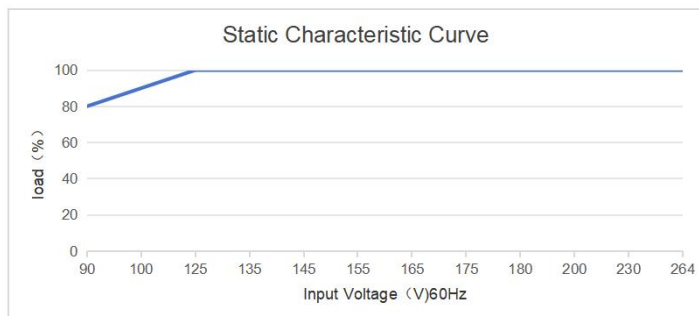
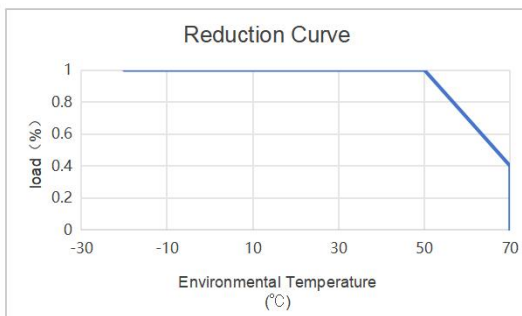
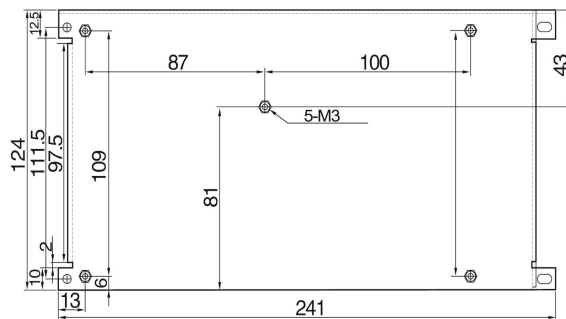
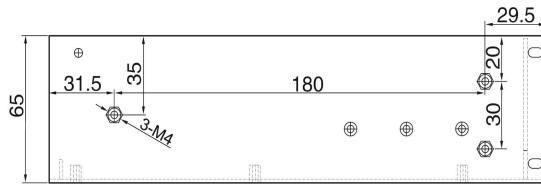
## AC/DC Single Output:



Model		TL-600S-12V	TL-600S-24V	TL-600S-36V	TL-600S-42V	TL-600S-48V
Serial Number		TL AC/DC				
Specifications And Models		600S-12	600S-24	600S-36	600S-42	600S-48
Output Characteristics	Output Voltage	12V	24V	36V	42V	48V
	Rated Current	50A	25A	16.7A	15A	12.5A
	Rated Power	600W				
	Linear Adjustment Rate	≤0.5%				
	Adjustable Range	±10%				
	Ripple And Noise	≤1% Vout				
	Overall Efficiency	83%	85%	87%	87%	87%
	Rise Time	50ms (230Vac, full load)				
	Hold Time	20ms (230Vac, full load)				
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)				
	Input Frequency	47~63HZ				
	Surge Current	40A/230VAC (cold)				
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%,60°C@40%				
	Storage Temperature	-20°C ~ 85°C				
	Humidity	20% to 90% RH (No condensation)				

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 110%-130% (self-restoring)
	<b>MTBF</b>	MTBF ≥ 5x10 <sup>4</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Fan cooling
	<b>Net Weight</b>	1.186kg
	<b>Gross Weight</b>	1.258kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	241*124*65mm
	<b>Packing Size</b>	250*131*70mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



## TL-800S SERIES


**Product features:**

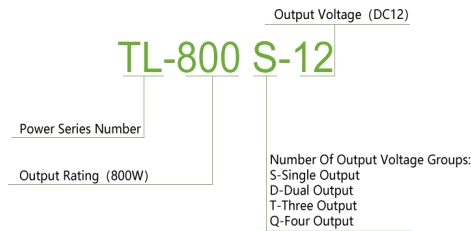
- International universal full-range AC input
- Imported brand components are used for key components
- AC input range switched via switch
- Fan cooling
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Protection types: short circuit, over current
- Meets 5000 meter altitude applications

**Product Description:**

TL-800S is a 800W single-group output enclosed power supply, voltage input range: 90-132VAC/180-264VAC (switch on via switch), 240-370VDC (switch on 230VAC), the whole series provides 12V,24V,36V,48V, with a built-in long-life fan, so that the power supply can be operated with full load in the temperature range of -20°C to +70°C temperature range. And with complete protection features, complying with full international safety regulations, they provide a cost-effective solution for a variety of industrial applications.

**Model Naming Rules:**

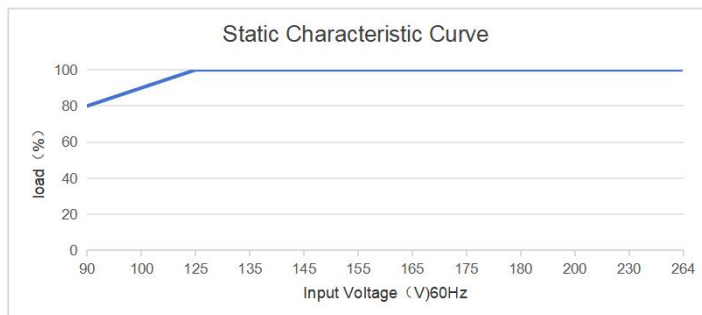
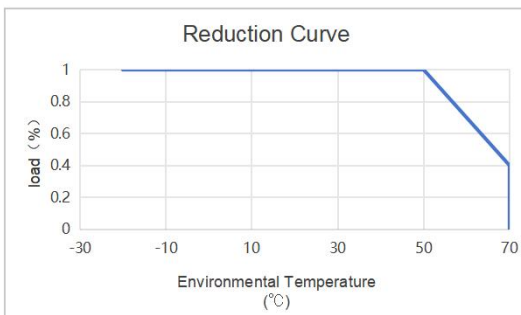
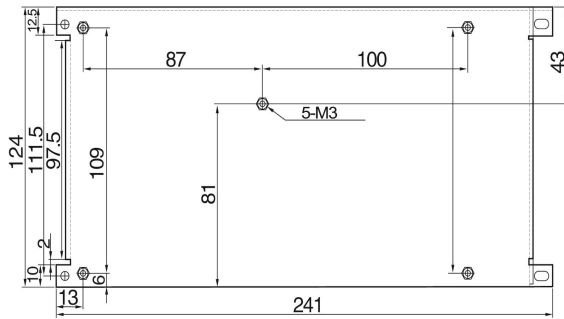
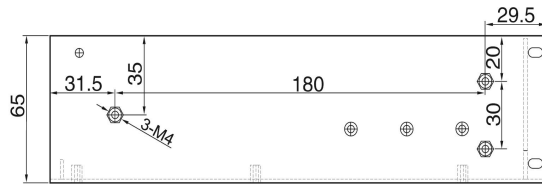
## AC/DC Single Output:



Model		TL-800S-12V	TL-800S-24V	TL-800S-36V	TL-800S-42V	TL-800S-48V
Serial Number		TL AC/DC				
Specifications And Models		800S-12	800S-24	800S-36	800S-42	800S-48
Output Characteristics	Output Voltage	12V	24V	36V	42V	48V
	Rated Current	66.6A	33A	22.2A	19A	16.7A
	Rated Power	800W				
	Linear Adjustment Rate	≤0.5%				
	Adjustable Range	±10%				
	Ripple And Noise	≤1% Vout				
	Overall Efficiency	80%	85%	88%	88%	88%
	Rise Time	50ms (230Vac, full load)				
	Hold Time	20ms (230Vac, full load)				
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)				
	Input Frequency	47~63HZ				
	Surge Current	40A/230VAC (cold)				
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%, 60°C@40%				
	Storage Temperature	-20°C ~ 85°C				
	Humidity	20% to 90% RH (No condensation)				

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 110%-130% (self-restoring)
	<b>MTBF</b>	MTBF ≥ 5x10 <sup>4</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Fan cooling
	<b>Net Weight</b>	1.215kg
	<b>Gross Weight</b>	1.275kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	241*124*65mm
	<b>Packing Size</b>	250*132*71mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**



TL-1000S SERIES



**Product features:**

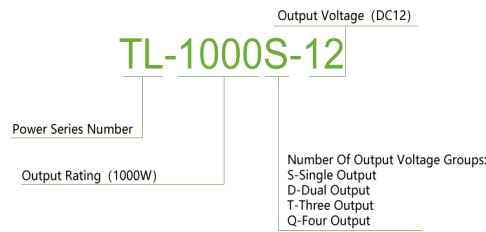
- International universal full-range AC input
- Imported brand components are used for key components
- AC input range switched via switch
- Fan cooling
- High efficiency, long life, high reliability
- Operating temperature up to 70°C
- Protection types: short circuit, over current, over voltage, over temperature
- Meets 5000 meter altitude applications

**Product Description:**

TL-1000S is a 1000W single-group output enclosed power supply, voltage input range: 90-132VAC/180-264VAC (switch on via switch), 240-370VDC (switch on 230VAC), the whole series provides 12V,24V,36V,48V, with a built-in long-life fan, so that the power supply can be operated with full load in the temperature range of -20°C to +70°C temperature range. And with complete protection features, complying with full international safety regulations, they provide a cost-effective solution for a variety of industrial applications.

**Model Naming Rules:**

AC/DC Single Output:



Model		TL-1000S-12V	TL-1000S-24V	TL-1000S-36V	TL-1000S-48V
Serial Number		TL AC/DC			
Specifications And Models		1000S-12	1000S-24	1000S-36	1000S-48
Output Characteristics	Output Voltage	12V	24V	36V	48V
	Rated Current	83A	42A	28A	21A
	Rated Power	1000W			
	Linear Adjustment Rate	≤0.5%			
	Adjustable Range	±10%			
	Ripple And Noise	≤1% Vout			
	Overall Efficiency	82%	85%	86%	86%
	Rise Time	50ms (230Vac, full load)			
	Hold Time	20ms (230Vac, full load)			
Input Characteristics	Input Voltage	90-132VAC/180-264VAC (switchable via switch)			
	Input Frequency	47~63HZ			
	Surge Current	40A/230VAC (cold)			
Environmental Characteristics	Working Temperature	0°C ~ 45°C@100%, -10°C@80%,60°C@40%			
	Storage Temperature	-20°C ~ 85°C			
	Humidity	20% to 90% RH (No condensation)			

<b>Safety Characteristics</b>	<b>Insulation Strength</b>	Vin ~ Vout/1500VAC/min Vin ~ FG/1500VAC/min Vout ~ FG/500VAC/min
	<b>Leakage Current</b>	< 0.5mA/230VAC
	<b>Protection Function</b>	Short circuit protection (self-recovery) Overload protection 110%-130% (self-restoring) Overpressure protection Overtemperature protection
	<b>MTBF</b>	MTBF ≥ 5x10 <sup>5</sup> h
<b>Design Standard</b>	<b>Safety Standard</b>	The design conforms to GB4943. EN 62368-1 UL 62368-1
	<b>EMC Standard</b>	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
<b>Other Parameters</b>	<b>EMI Filter</b>	Internal band EMI filter
	<b>Finished Product Guarantee</b>	100% full load aging
	<b>Quality Assurance</b>	5-year warranty
	<b>Cooling Mode</b>	Fan cooling
	<b>Net Weight</b>	2.598kg
	<b>Gross Weight</b>	2.678kg
	<b>Installation Mode</b>	Vertical/horizontal installation
<b>Measure</b>	<b>Outline Dimension</b>	250*160*87mm
	<b>Packing Size</b>	280*165*90mm
	<b>Application</b>	Industrial automation Industrial control systems Electrical equipment Communications industry Electronic instruments, equipment and devices Intelligent home

**Installation Size:**

