

SWITCHING POWER SUPPLY

S,D,T,Q series

Switching Power Supplies



- Utilizes imported components to ensure high reliability
- Features a built-in EMI filter for excellent anti-interference performance.
- Offers low DC output ripple and high efficiency
- Incorporates a soft start circuit to limit AC inrush current.
- Provides excellent heat dissipation, resulting in low operating temperatures and a long service life.
- Wide input voltage range complies with global usage standards.
- Exhibits high insulation performance and dielectric strength.
- Includes comprehensive protection against short-circuits, overloads, and overvoltage
- Undergoes 100% full-load burn in testing at high temperature.

Main technical data

Technical data of S-15W

External dimensions	99x97x35mm
Input voltage range	85-264VAC,47-63Hz;120~370VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up, ascent, holding time	300ms, 50ms, 80ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Five 9.5mm terminal blocks
Weight/Package	0.39kg, 45 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-15-5	5V 0~3.0A	±2%	50mV	65%
S-15-12	12V 0~1.3A	±1%	50mV	68%
S-15-24	24V 0~0.7A	±1%	100mV	72%

Technical data of S-25W

External dimensions	99x97x35mm
Input voltage range	85-264VAC,47-63Hz;120~370VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up, ascent, holding time	300ms, 50ms, 80ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Five 9.5mm terminal blocks
Weight/Package	0.39kg, 45 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-25-5	5V 0~3.0A	±2%	50mV	72%
S-25-12	12V 0~1.3A	±1%	50mV	76%
S-15-24	24V 0~0.7A	±1%	100mV	80%

Technical data of S-35W

External dimensions	129x98x38mm
Input voltage range	85-132VAC,47-63Hz;170~264VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjstab le range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, au tom atic recovery
Overtoltage protection	115% to 135% of the output voltage
Start-up,ascent, holding time	200ms, 100ms,30ms
Pressure resistance	Between input and out put;between input and the encbsure:1.5 kV AC; between output and the encbsur:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Five 9.5mm terminal blocks
Weight/Package	0.41kg,45 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-35-5	5V 0~7.0A	±2%	75mV	70%
S-15-12	12V 0~2.4A	±1%	100mV	78%
S-35-24	24V 0~1.5A	±1%	100mV	78%

Technical data of S-50W

External dmnensions	159x98x38mm
Input voltage range	85-132VAC,47-63Hz;170~264VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjstab le range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, au tom atic recovery
Overtoltage protection	115% to 135% of the output voltage
Start-up,ascent, holding time	200ms, 100ms,30ms
Pressure resistance	Between input and out put;between input and the encbsure:1.5 kV AC; between output and the encbsur:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Five 9.5mm terminal blocks
Weight/Package	0.39kg,45 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-25-5	5V 0~10A	±2%	75mV	71%
S-25-12	12V 0~4.2A	±1%	100mV	78%
S-15-24	24V 0~2.1A	±1%	100mV	82%

Technical data of S-60W

External dmnensions	159x98x38mm
Input voltage range	85-264VAC,47-63Hz;120~370VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjstab le range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, au tom atic recovery
Overtoltage protection	115% to 135% of the output voltage
Start-up,ascent, holding time	300ms, 60ms,80ms
Pressure resistance	Between input and out put;between input and the encbsure:1.5 kV AC; between output and the encbsur:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards

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EMC standards	Complies with CE standards
Connection method	Five 9.5mm terminal blocks
Weight/Package	0.51kg,30 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-60-5	5V 0~12A	±2%	120mV	73%
S-60-12	12V 0~5A	±1%	150mV	76%
S-60-24	24V 0~2.5A	±1%	150mV	79%

Technical data of S-75W

External dimensions	159x98x38mm
Input voltage range	85~132VAC/180~264VAC switch selection 47~63Hz;255~370VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up, ascent, holding time	200ms, 100ms, 30ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Five 9.5mm terminal blocks
Weight/Package	0.52kg, 30 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-75-5	5V 0~15A	±2%	80mV	72%
S-75-12	12V 0~6.3A	±1%	80mV	77%
S-75-24	24V 0~3.2A	±1%	100mV	80%

Technical data of S-100W

External dimensions	199x98x38mm
Input voltage range	85~132VAC/180~264VAC switch selection 47~63Hz;255~370VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up, ascent, holding time	200ms, 100ms, 30ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Seven 9.5mm terminal blocks
Weight/Package	0.62kg, 30 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-100-5	5V 0~20A	±2%	75mV	71%
S-100-12	12V 0~8.5A	±1%	100mV	81%
S-100-24	24V 0~4.5A	±1%	100mV	84%
S-100-48	48V 0~2A	±1%	100mV	84%

Technical data of S-145W

External dimensions	199x98x38mm
Input voltage range	85~132VAC/180~264VAC; 47~63Hz; Switch selection
Surge current	Cold start current: 15A/110V, 30A/230V

Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overshoot protection	115% to 135% of the output voltage
Start-up, ascent, holding time	200ms, 100ms, 30ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Seven 9.5mm terminal blocks
Weight/Package	0.7kg, 30 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-145-5	5V 0~20A	±2%	120mV	78%
S-145-12	12V 0~8.5A	±1%	150mV	81%
S-145-24	24V 0~6A	±1%	150mV	84%

Technical data of S-75W

External dimensions	199x110x50mm
Input voltage range	88~132VAC/176~264VAC; 47~63Hz; 255~370VDC
Surge current	Cold start current: 15A/110V, 30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overshoot protection	115% to 135% of the output voltage
Start-up, ascent, holding time	100ms, 50ms, 20ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Seven 9.5mm terminal blocks
Weight/Package	0.8kg, 20 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-150-5	5V 0~15A	±2%	150mV	78%
S-150-12	12V 0~6.3A	±1%	180mV	82%
S-150-24	24V 0~3.2A	±1%	240mV	85%

Technical data of S-200W

External dimensions	199x110x50mm
Input voltage range	90~132VAC/180~264VAC; 47~63Hz; Switch selection
Surge current	Cold start current: 15A/110V, 30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overshoot protection	115% to 135% of the output voltage
Start-up, ascent, holding time	200ms, 50ms, 20ms
Pressure resistance	Between input and output; between input and the enclosure: 1.5 kV AC; between output and the enclosure: 0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C, 20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	Seven 9.5mm terminal blocks
Weight/Package	0.8kg, 20 pieces per carton

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Model number	Output	Difference	Scope	Efficiency
S-200-5	5V 0~40A	±2%	100mV	71%
S-20012	12V 0~16.7	±1%	100mV	79%
S-200-24	24V 0~8.4A	±1%	150mV	83%

Technical data of S-201W

External dimensions	215x115x50mm
Input voltage range	90~132VAC/180~264VAC;47~63Hz; Switch selection
Surge current	Cold start current:15A/110V,30A/230V
Adjstab le range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, au tom atic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up,ascent, holding time	200ms, 100ms,30ms
Pressure resistance	Between input and out put;between input and the encbsure:1.5 kV AC; between output and the encbsur:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	9 terminals of 9.5mm connection point
Weight/Package	0.92kg,20 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-201-5	5V 0~40A	±2%	150mV	74%
S-201-12	12V 0~16.5A	±1%	150mV	79%
S-201-24	24V 0~8.4A	±1%	100mV	81%

Technical data of S-240W

External dimensions	215x115x50mm
Input voltage range	90~132VAC/180~264VAC;47~63Hz; Switch selection
Surge current	Cold start current:15A/110V,30A/230V
Adjstab le range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, au tom atic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up,ascent, holding time	200ms, 100ms,30ms
Pressure resistance	Between input and out put;between input and the encbsure:1.5 kV AC; between output and the encbsur:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	9 terminals of 9.5mm connection point
Weight/Package	1.1kg,20 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-201-5	5V 0~48A	±2%	150mV	74%
S-201-12	12V 0~18A	±1%	150mV	79%
S-201-24	24V 0~10A	±1%	100mV	81%

Technical data of S-240W

External dimensions	215x115x50mm
Input voltage range	88~132VAC/176~264VAC;47~63Hz; Switch selection
Surge current	Cold start current:15A/110V,30A/230V
Adjstab le range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, au tom atic recovery
Overvoltage protection	115% to 135% of the output voltage
Start-up,ascent, holding time	200ms, 100ms,30ms

Pressure resistance	Between input and out put;between input and the enclosure:1.5 kV AC; between output and the enclosure:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	9 terminals of 9.5mm connection point
Weight/Package	1.1kg,20 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-250-5	5V 0~50A	±2%	150mV	74%
S-250-12	12V 0~20.8A	±1%	150mV	82%
S-250-24	24V 0~10.4A	±1%	180mV	84%

Technical data of S-320W

External dimensions	215x115x50mm
Input voltage range	90~132VAC/176~264VAC;47~63Hz;255-370VDC
Surge current	Cold start current:15A/110V,30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overshoot protection	115% to 135% of the output voltage
Start-up, ascent, holding time	200ms,100ms,30ms
Pressure resistance	Between input and out put;between input and the enclosure:1.5 kV AC; between output and the enclosure:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	9 terminals of 9.5mm connection point
Weight/Package	1.1kg,20 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-320-5	5V 0~15A	±2%	150mV	79%
S-320-12	12V 0~6.3A	±1%	150mV	86%
S-320-24	24V 0~3.2A	±1%	150mV	87%

Technical data of S-200W

External dimensions	215x110x50mm
Input voltage range	90~132VAC/176~264VAC;47~63Hz;Switch selection
Surge current	Cold start current:15A/110V,30A/230V
Adjustable range of DC voltage	10% of the rated output voltage
Overload protection	105% to 150% of the cut-off current, automatic recovery
Overshoot protection	115% to 135% of the output voltage
Start-up, ascent, holding time	200ms,50ms,20ms
Pressure resistance	Between input and out put;between input and the enclosure:1.5 kV AC; between output and the enclosure:0.5 kV AC for 1 minute.
Working temperature and humidity	-10°C to +60°C,20% to 90% RH
Safety standards	Complies with CE standards
EMC standards	Complies with CE standards
Connection method	9 terminals of 9.5mm connection point
Weight/Package	1.1kg,20 pieces per carton

Model number	Output	Difference	Scope	Efficiency
S-350-5	5V 0~70A	±2%	150mV	73%
S-350-12	12V 0~29A	±1%	150mV	79%
S-350-24	24V 0~14.6A	±1%	150mV	81%