

● GENERAL

Power Supply is just a kind of electrical products to control electricity of Supplying Power in the circuit to meet people requirements.

The Transformer is a electrical device which is designed to change one AC Voltage to another by magnetic induction. It “Steps-up” or “Steps-down” voltage in order to match incoming supply voltage from the utility to the voltage required by the user's end products. Common international voltages include 110V, 220V, 380V, and 415V. Typical USA supply voltages are 120V, 208V, 240V, 277V, 480V (and 575V in Canada).

Transformers have a primary side and a secondary side. The control transformer primary side voltage must match the incoming line voltage and the secondary side must match the load voltage. The VA rating must be greater than the VA rating of the total load.

● REFERENCE STANDARDS

VDE0550, IEC204-1, IEC61588, EC439, JB5555, GB5226, UL506, UL1411, UL1585, BS3535,

● CLASSIFICATION

Control Transformer
Toroidal Transformer
Voltage Regulator
Switching Power Supply (SPS)

● SELECTION OF CONTROL TRANSFORMER

A Control Transformer is a passive electrical device which is designed to change one AC voltage to another by magnetic induction. It “teps-up” or “teps-down” voltage in order to match incoming supply voltage from the utility to the voltage required by the user's end product. Typical USA supply voltages are 120, 208, 240, 277, 480 (and 575 in Canada). Common International voltages include 110, 220, 380, and 415.

● SELECTION OF TOROIDAL TRANSFORMER

Toroidal transformers offer many advantages over standard laminated power transformers. Toroidals provide quiet, efficient operation with very low stray magnetic fields. Their small size and weight support a package that is easy to design into any application.

Advantages of Toroidal Transformer:

1. A toroidal transformer weighs about half as much as a conventional transformer with the same capacity and heat rise. The main materials used in transformers are copper and steel, both of which are getting scarcer with cost increases as a consequence.
2. No impregnation is needed to keep the laminates quiet so this potential environmental hazard is avoided.
3. The toroidal transformer fits into a smaller space, which allows chassis plates and enclosures to be smaller with less material used.

● HOW TO FIND VA FOR TRANSFORMERS

Volt amps (VA) is the effective power rating for a transformer. In the perfect transformer, the voltage and current (combined) applied at the primary will exactly equal the voltage and current (combined) on the secondary(s).

Efficiency is a measure of a transformer's ability to deliver the input power to the load. Efficiency is expressed as a percent by:

$\% = (PO / PI) \times 100$

where: PO = Output power, PI = Input power, % = Efficiency

● VA CALCULATION

1. Read the transformer's secondary winding rating (printed or tagged on the transformer case). This should give a rating such as 5 V , 500 mA. Multiply the voltage times the current to receive the VA.
Example: 5 V times 500 mA (or 0.5 A) equals 2.5 VA
2. Convert the secondary winding VA value to the primary winding VA rating as the equation VA (primary) equals VA (secondary) or VA (p) = VA (s). For the example of a 2.5 VA secondary, if the primary voltage is 120 V the current will be A (p) = VA (s)/V(p). Giving A(p) = 2.5 / 120 = 0.020833 (roughly 21mA).
This is the calculation for a single input winding/single output winding transformer.

3. Add the separate VA ratings for a transformer with multiple secondary windings. For secondary winding 1 = 5 V at 500 mA
Secondary winding 2 = 24 V at 100 mA
Total secondary VA = (5 x 0.5) + (24 x 0.1) = 4.9 VA
Primary VA will still equal the total secondary VA.

● SELECTION OF VOLTAGE STABILIZER AND VOLTAGE REGULATOR

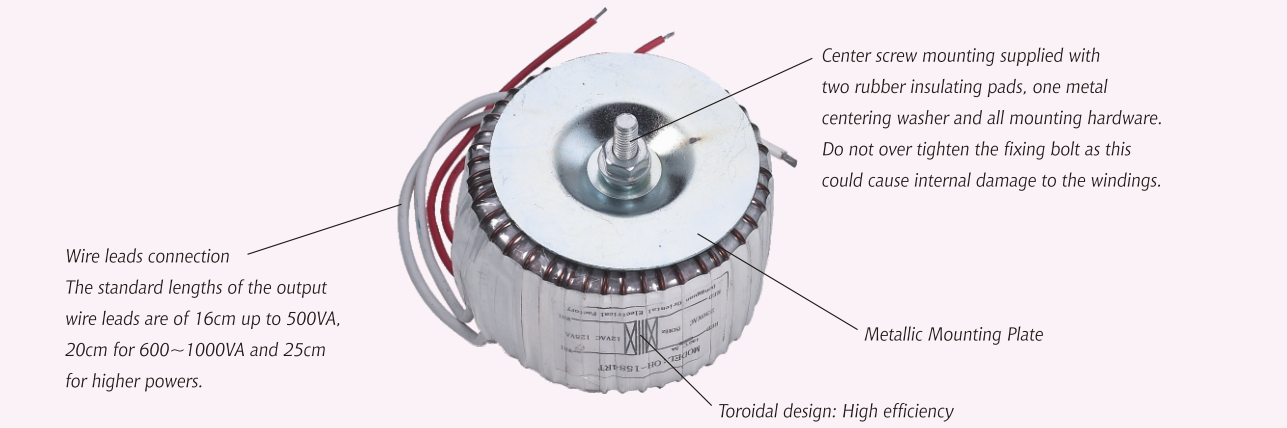
A voltage regulator is an electrical regulator designed to automatically maintain a constant voltage level.

It may use an electromechanical mechanism, or passive or active electronic components. Depending on the design, it may be used to regulate one or more AC voltages.

● SELECTION OF THE SWITCHING POWER SUPPLY

A Switching Power Supply (SPS) is an electronic power supply that incorporates a switching regulator in order to be highly efficient in the conversion of electrical power. A SPS transfers power from a AC source like the electrical power grid to a DC load (e.g., LED device). A SPS is usually employed to efficiently provide a regulated output DC voltage, typically at a level different from the input voltage. Switching regulators are used when higher efficiency, smaller size or lighter weight are required.

● FEATURE



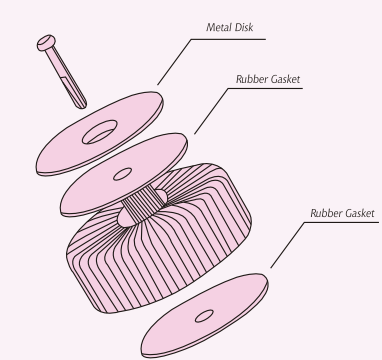
Ref.	Model	Capacity (VA)	Static Current(mA)	Efficiency (%)	Voltage Combination	Case Qty(Pcs)	Item Code
					Primary(V) / Secondary(V)		
DH-200	DH-50	50	10	90	230/24 220/24 230/36 220/36 440/230 230/12 130-240/15-240 115/24	24	48000050
	DH-100	100	15	92		24	48000100
	DH-150	150	20	93		24	48000150
	DH-200	200	30	94		24	48000200
	DH-250	250	35	94		18	48000250
	DH-300	300	40	94		18	48000300
	DH-350	350	45	95		18	48000350
	DH-400	400	50	95		18	48000400
	DH-450	450	55	95		18	48000450
	DH-500	500	55	95		18	48000500
	DH-550	550	55	95		18	48000550
	DH-600	600	55	95		18	48000600
	DH-700	700	60	95		12	48000700
	DH-800	800	65	95		12	48000800
	DH-1000	1000	75	95		12	48001000



Note: Please mention the voltage combination when ordering. Other else multiple voltage combination upon request.

For custom design, please contact our sales team.

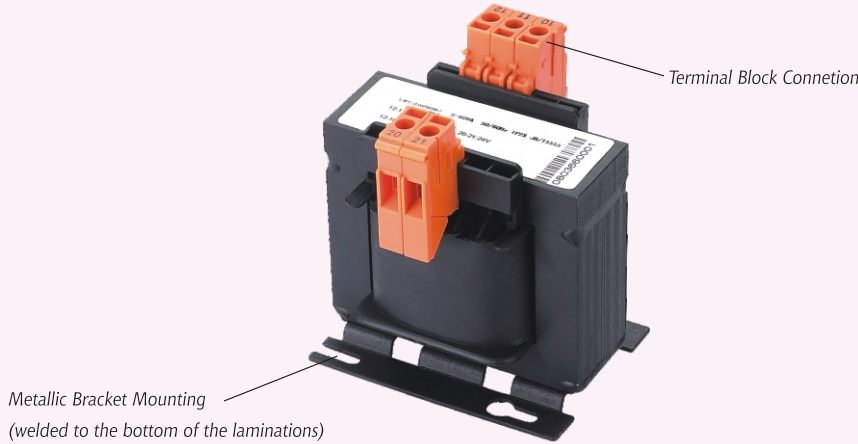
● DIMENSION



Model	Dimension(mm)		Model	Dimension(mm)	
	Height	Diameter		Height	Diameter
DH-50	45	100	DH-450	70	140
DH-100	50	105	DH-500	80	140
DH-150	55	120	DH-550	70	145
DH-200	60	125	DH-600	85	150
DH-250	65	135	DH-700	85	155
DH-300	60	135	DH-800	85	160
DH-350	65	135	DH-1000	90	180
DH-400	72	140			

● FEATURE

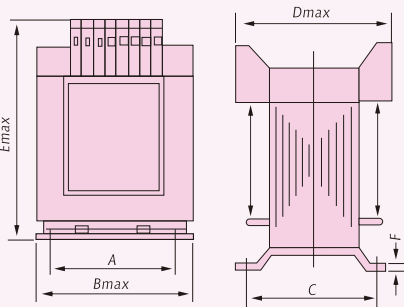
BK Series



Ref.	Model	Capacity (VA)	Voltage Combination	Case Qty.(Pcs)	Item Code
			Primary(V)/Secondary(V)		
BK-60	BK-40	40	440/220	24	02150040
	BK-60	60		24	02150060
	BK-100	100		16	02150100
	BK-160	160		12	02150160
	BK-250	250	240/24	6	02150250
	BK-400	400	220/24	6	02150400
	BK-630	630	220-380/110-60-48-24	4	02150630
	BK-800	800		4	02150800
	BK-1000	1000	380/220-110	1	02151000
	BK-1600	1600		1	02151600
	BK-2500	2500		1	02152500

Note: Please mention the voltage combination when ordering. Other else multiple voltage combination upon request.

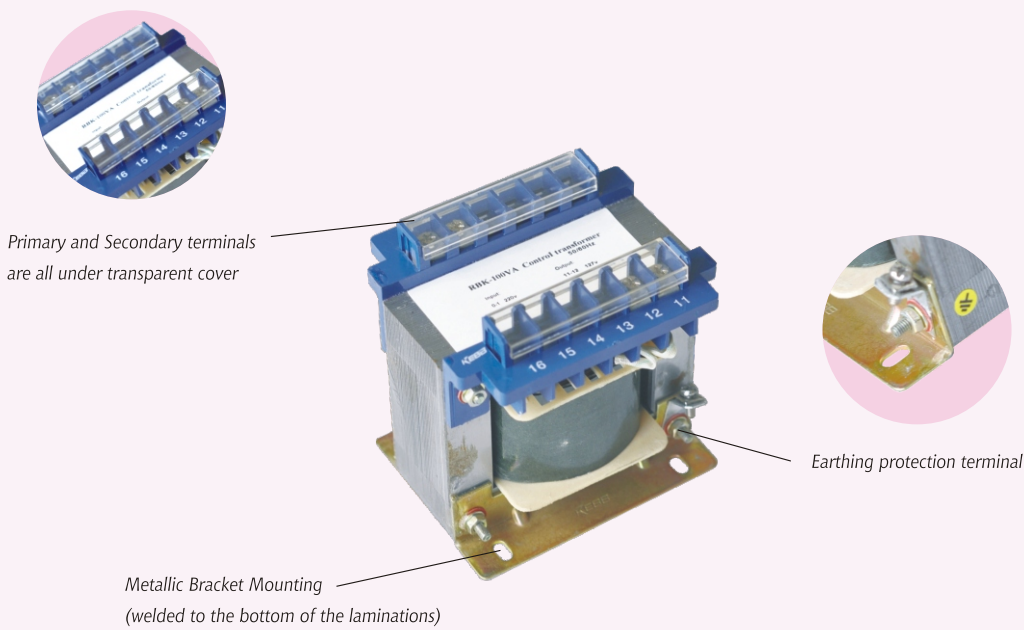
● DIMENSION



Model	Overall Dimension (mm)			Mounting Dimension (mm)		
	B max	D max	E max	A	C	K
BK-40	78	72	90	56	46	4.6
BK-60	78	72	90	56	46	4.6
BK-100	85	88	96	64	62	4.6
BK-160	96	92	106	84	73.5	5.5
BK-250	96	100	106	84	85	5.8
BK-400	120	100	122	93	84	5.8
BK-630	150	114	140	125	92	7
BK-800	150	125	142	125	105	7
BK-1000	168	130	155	138	105	9
BK-1600	168	140	155	138	116	9
BK-2500	250	200	152	165	210	7

● FEATURE

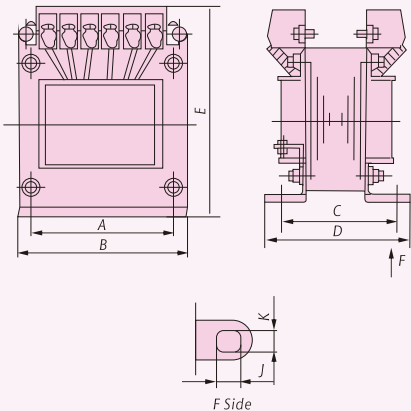
RBK Series



Ref.	Model	Capacity (VA)	Voltage Combination	Case Qty.(Pcs)	Item Code
			Primary(V)/Secondary(V)		
BK-60	BK-50	50	440/220 240/24 220/24 220-380/110-60-48-24 380/220-110	24	82100050
	BK-100	100		24	82100100
	BK-150	150		16	82100150
	BK-200	200		12	82100200
	BK-250	250		6	82100250
	BK-300	300		6	82100300
	BK-400	400		4	82100400
	BK-500	500		4	82100500
	BK-700	700		1	82100700
	BK-1000	1000		1	82101000
	BK-1500	1500		1	82101500
	BK-2000	2000		1	82102000

Note: Please mention the voltage combination when ordering. Other else multiple voltage combination upon request.

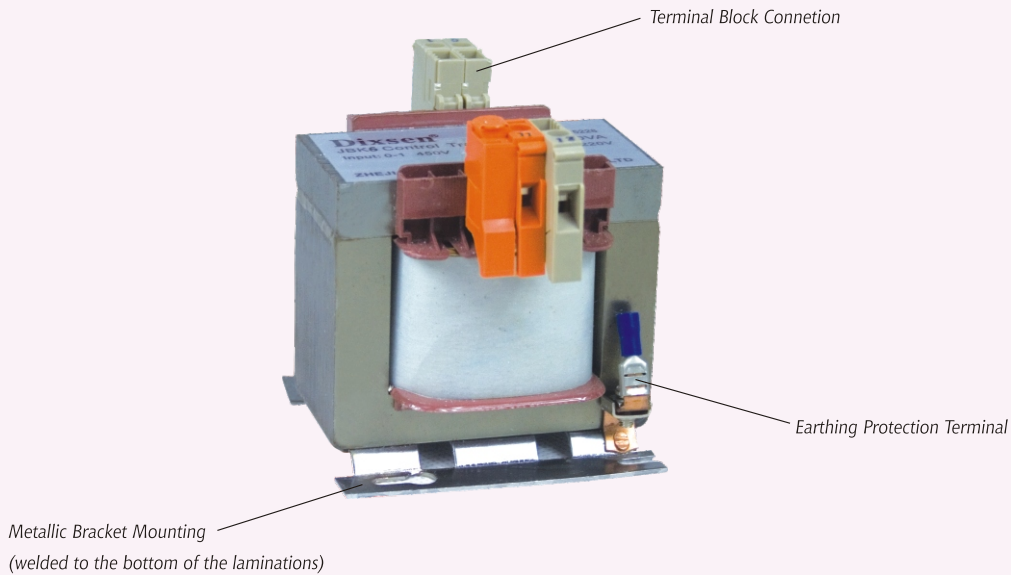
● DIMENSION



Model	Overall Dimension (mm)			Mounting Dimension(mm)		Model	Overall Dimension (mm)			Mounting Dimension(mm)	
	B max	D max	E max	K	J		B max	D max	E max	K	J
RBK-50	85	80	92	65	60	RBK-400	132	130	142	94	97
RBK-100	103	90	110	75	64	RBK-500	132	135	142	94	102
RBK-150	103	98	110	75	74	RBK-700	150	140	175	127	115
RBK-200	103	105	110	75	77	RBK-1000	150	155	175	127	130
RBK-250	114	122	125	90	90	RBK-1550	171	175	190	130	150
RBK-300	114	127	125	90	95	RBK-2000	171	195	190	130	170

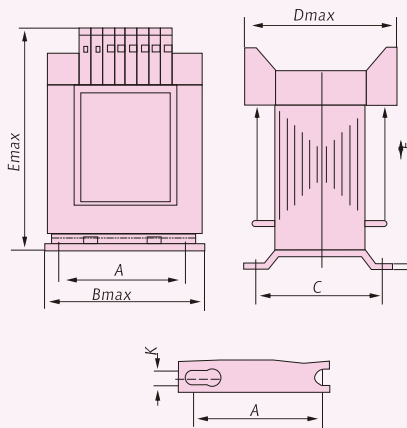
● FEATURE

JBK6 Series



Ref.	Model	Capacity (VA)	Voltage Combination	Case Qty.(Pcs)	Item Code
			Primary(V)/Secondary(V)		
JBK6-160	JBK6-40	40	440/220	24	02160040
	JBK6-60	60		24	02160063
	JBK6-100	100		16	02160100
	JBK6-160	160		12	02160160
	JBK6-250	250	240/24	6	02160250
	JBK6-400	400	220/24	6	02160400
	JBK6-630	630	220-380/110-60-48-24	4	02160630
	JBK6-800	800	380/220-110	4	02160800
	JBK6-1000	1000	380/220-110	1	02161000
	JBK6-1600	1600		1	02161600
	JBK6-2500	2500		1	02162500
	JBK6-2500	2500		1	02162500

● DIMENSION

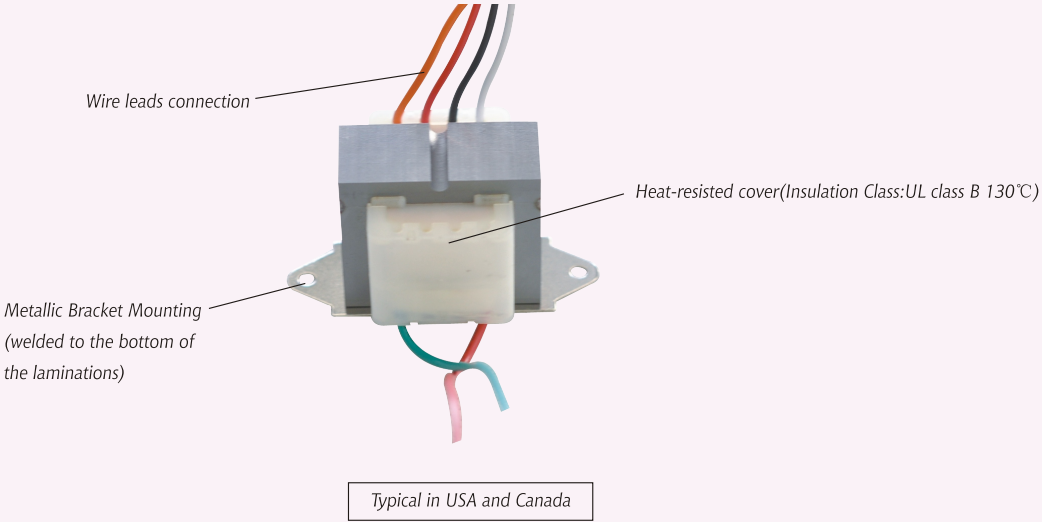


Note: Please mention the voltage combination when ordering. Other else multiple voltage combination upon request.

Model	Overall Dimension (mm)			Mounting Dimension (mm)		
	B max	D max	E max	A	C	K
JBK6-40	78	72	90	56	46	4.6
JBK6-60	78	72	90	56	46	4.6
JBK6-100	85	88	96	64	62	4.6
JBK6-160	96	92	106	84	73.5	5.5
JBK6-250	96	100	106	84	85	5.8
JBK6-400	120	100	122	93	84	5.8
JBK6-630	150	114	140	125	92	7
JBK6-800	150	125	142	125	105	7
JBK6-1000	168	130	155	138	105	9
JBK6-1600	168	140	155	138	116	9
JBK6-2500	250	200	152	165	210	7

● FEATURE

DI Series

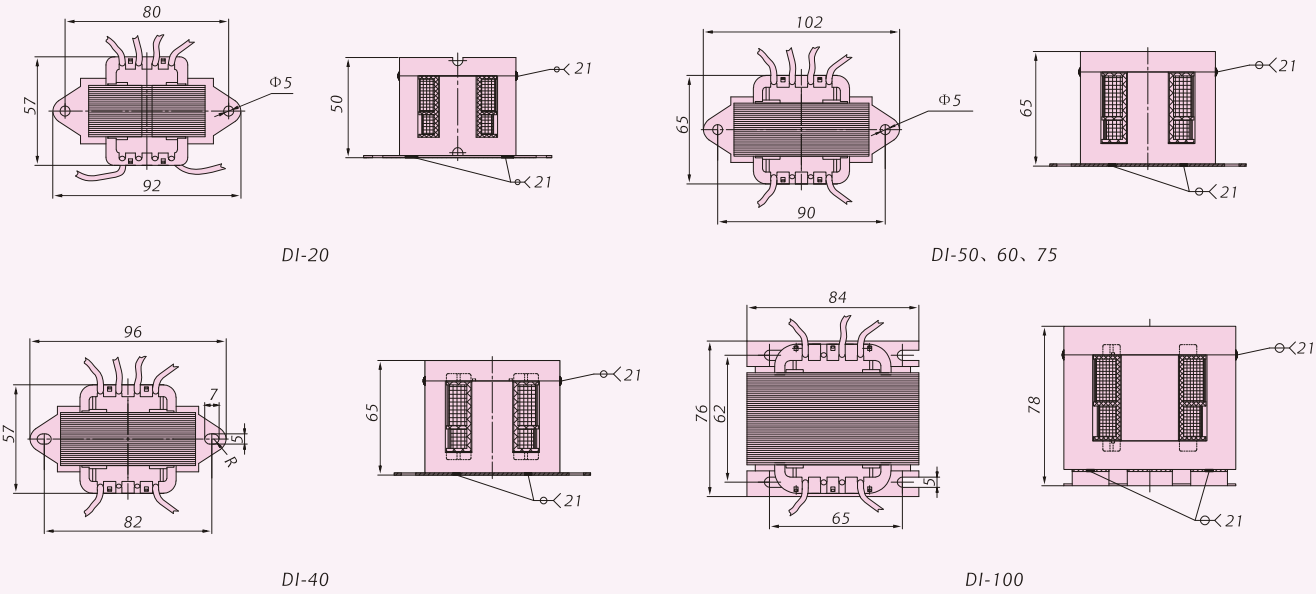


Ref.	Model	Capacity (VA)	Voltage Combination	Case Qty(Pcs)	Item Code
			Primary(V)/Secondary(V)		
DI-20	DI-20	20	120/24	36	49000020
	DI-40	40	208/24	24	49000040
	DI-50	50	240/24	18	49000050
	DI-60	60	120-240/24	18	49000060
	DI-75	75	120-208-240/24	18	49000075
	DI-100	100	208-240/24	12	49000100



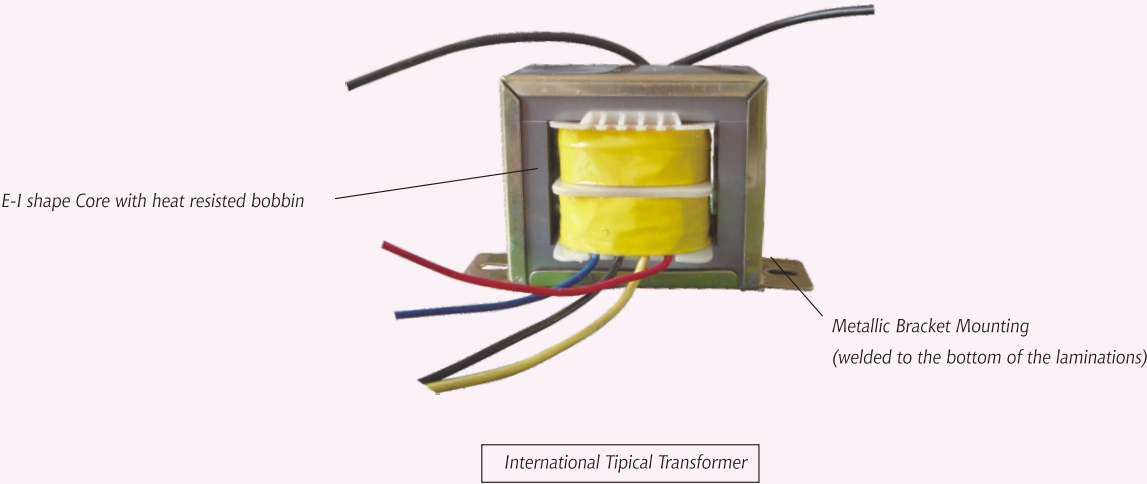
Note: Please mention the voltage combination when ordering. Other else multiple voltage combination upon request.

● DIMENSION



● FEATURE

EI Series



Ref.	Model	Capacity (VA)	Voltage Regulation Factor(%)	Efficiency (%)	Case Qty(Pcs)	Item Code
EI-20	EI-1.6	1.6	19.8	63.4	36	59000016
	EI-2	2.0	19.2	64.3	36	59000020
	EI-3	3.0	18.6	66.5	36	59000030
	EI-5	5.0	18.1	69.6	36	59000050
	EI-6.3	6.3	18.0	74.1	36	59000063
	EI-8	8.0	18.0	76.4	36	59000080
	EI-10	10	17.8	77.6	36	59000100
	EI-12	12	17.6	79.0	36	59000120
	EI-16	16	17.3	81.1	36	59000160
	EI-20	20	17.1	81.8	36	59000200
	EI-25	25	17.1	81.1	36	59000250
	EI-30	30	16.9	83.0	36	59000300
	EI-40	40	14.2	84.6	27	59000400
	EI-50	50	12.6	84.5	27	59000500
	EI-63	63	10.8	85.2	27	59000630
	EI-80	80	9.5	85.1	27	59000800
	EI-100	100	8.3	86.4	27	59001000
	EI-120	120	8.1	88.4	24	59001200
	EI-160	160	7.8	89.3	24	59001600
	EI-200	200	7.6	89.6	24	59002000
EI-20	EI-250	250	6.8	90.7	18	59002500
	EI-300	300	6.4	91.0	18	59003000
	EI-500	500	5.8	93.1	18	59005000

Note: Please mention the voltage combination when ordering. Other else multiple voltage combination upon request.

● SELECTION OF AUTO VOLTAGE STABILIZER

TND series single phase high accuracy full automatic voltage stabilizer is composed of servo motor、control circuit、compensator(or compensated transformer) . It has advantages of small volume、light weight、high efficiency、wide voltage stabilizing range、no waveform distortion etc. All products are provided with over-voltage/under-voltage protection、delay(selective)protection、error protection and voltage two-way indication, which makes the function of the product more perfect and reliable. It is widely used in the fields of domestic appliance, industry and agriculture production、scientific research、medicine and health, it is a kind of regulated power source with the highest ratio of performance to price at present.

Input Voltage: 160~250V
Output Voltage: 220V±3% / 110V±3% ; 220V±3%
Over-voltage protection value: 246V±4V
Time delay: Long: 5±min, Short: 5±2 secretary
Efficiency: >95%

Ref.	Model	Power (kVA)	Dimension(mm)			Case Qty(Pcs)	Item Code
			L	W	H		
TND-0.5	TND-0.5	0.5	190	170	145	6	04400005
	TND-1	1	225	205	160	4	04400010
	TND-1.5	1.5	225	205	160	2	04400015
	TND-2	2	283	220	215	4	04400020
	TND-3	3	305	240	235	2	04400030
	TND-5	5	335	222	284	1	04400050
TND-15	TND-7.5	7.5	410	240	373	1	04400075
	TND-10	10	410	240	373	1	04400100
	TND-5C*	5	310	273	450	1	04400350
	TND-7.5C*	7.5	352	270	510	1	04400375
	TND-10C*	10	352	275	512	1	04403100
	TND-12	12	420	380	740	1	04400120
TND-30	TND-15	15	420	380	740	1	04400150
	TND-20	20	415	378	842	1	04400200
	TND-30	30	415	378	842	1	04400300

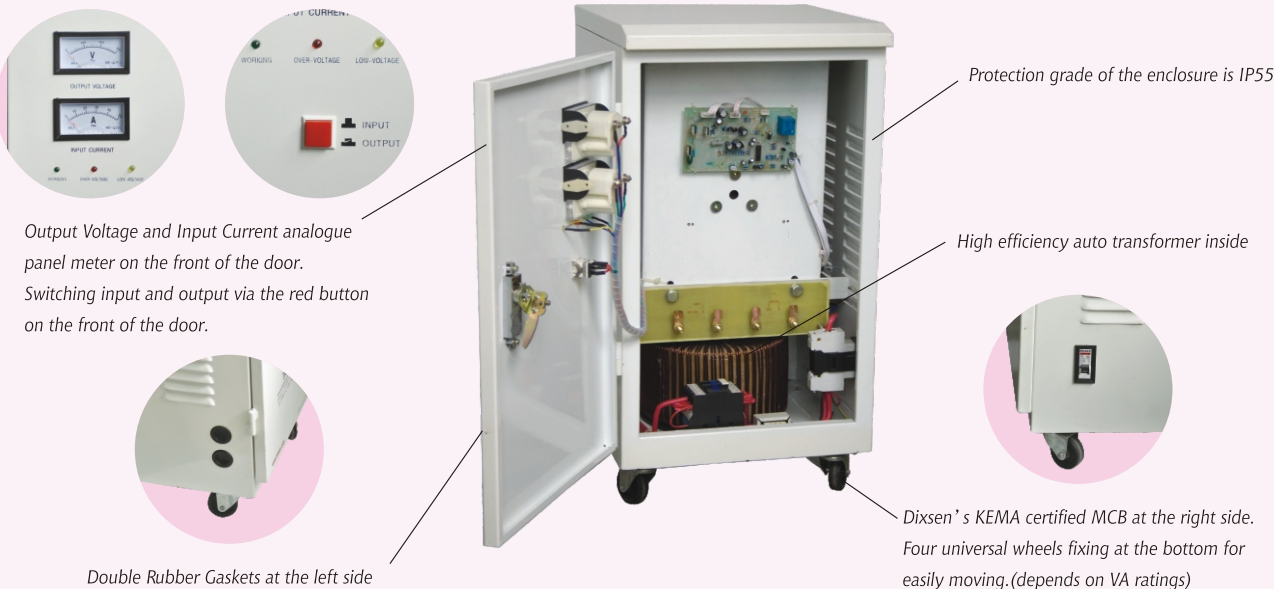
* Compensation auto transformer.

● SELECTION OF AUTO VOLTAGE STABILIZER

TNS three phases voltage stabilizer has the function of over-voltage protection, delaying output, error protection, phase failure protection etc. it is suitable in stabilizing electric supply and protection to any three-phase equipent as well as the overall stabilizing protection of power supply in small enterprise.

● FEATURE

TNS Series



Ref.	Model	Capacity (kVA)	Dimension(mm)			Case Qty(Pcs)	Item Code
			L	W	H		
TNS-10	TNS-1.5	1.5	480	430	260	2	04900015
	TNS-3	3	480	430	260	1	04900030
	TNS-4.5	4.5	480	430	260	1	04900045
	TNS-6	6	325	278	668	1	04900060
	TNS-9	9	323	317	753	1	04900090
	TNS-10	10	323	317	753	1	04900100
	TNS-15	15	353	348	832	1	04900150
	TNS-20	20	517	401	860	1	04900200
	TNS-30	30	517	401	860	1	04900300
	TNS-15C*	15	420	370	820	1	04903150
	TNS-20C*	20	441	430	880	1	04903200
	TNS-30C*	30	441	430	880	1	04903300
	TNS-45C*	45	700	500	1035	1	04903450
	TNS-50C*	50	700	500	1035	1	04903500
	TNS-60C*	60	700	500	1035	1	04903600
	TNS-75C*	75	710	260	1310	1	04903750
	TNS-90C*	90	710	260	1310	1	04903900

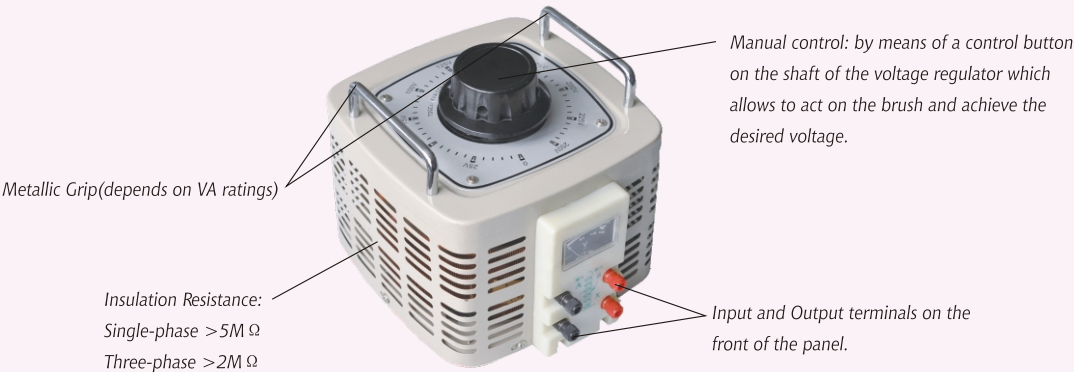
* Compensation auto transformer

● SELECTION OF THE VOLTAGE REGULATOR

The Voltage regulators are used to adjust the voltage from 0 volts up to the maximum voltage for which they have been designed and among the most usually applications, No additional wave form distortion. The main applications are:
Laboratory control equipment.
Lighting equipment.
Temperature controls.
Motor speed control.
Controlling of other transformers.
Etc.

● FEATURE

TDGC/TSGC Series

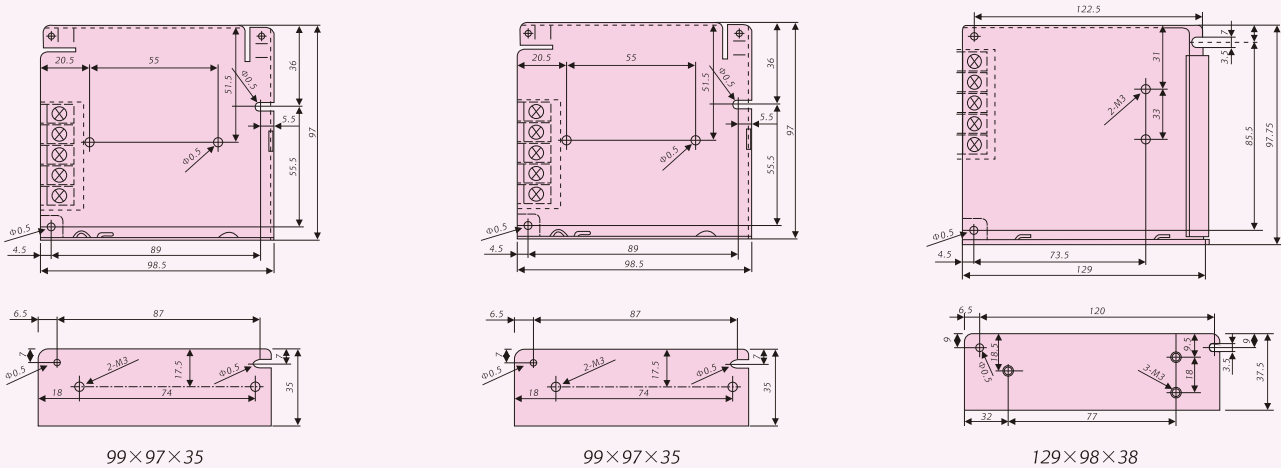


Ref.	Model	Capacity (kVA)	Input Voltage(V)	Output Voltage(V)	Output Current(A)	Case Qty(Pcs)	Item Code
Single phase							
TDGC2-0.5	TDGC2-0.2	0.2	220	0~250	0.8	12	04732002
	TDGC2-0.5	0.5	220	0~250	2	6	04732005
	TDGC2-1	1	220	0~250	4	4	04732010
	TDGC2-2	2	220	0~250	8	4	04732020
	TDGC2-3	3	220	0~250	12	2	04732030
	TDGC2-5	5	220	0~250	20	1	04732050
	TDGC2-7.5	7.5	220	0~250	30	1	04732075
	TDGC2-10	10	220	0~250	40	1	04732100
	TDGC2-15	15	220	0~250	60	1	04732150
Three phase							
TSGC2-1.5	TSGC2-1.5	1.5	380	0~430	2	2	09732015
	TSGC2-3	3	380	0~430	4	1	09732030
	TSGC2-6	6	380	0~430	8	1	09732060
	TSGC2-9	9	380	0~430	12	1	09732090
	TSGC2-10	10	380	0~430	12	1	09732100
	TSGC2-15	15	380	0~430	20	1	09732150
	TSGC2-20	20	380	0~430	27	1	09732200
	TSGC2-30	30	380	0~430	40	1	09732300
	TSGC2-40	40	380	0~430	53	1	09732400
	TSGC2-60	60	380	0~430	80	1	09732600

Note: Special Specifications upon request.

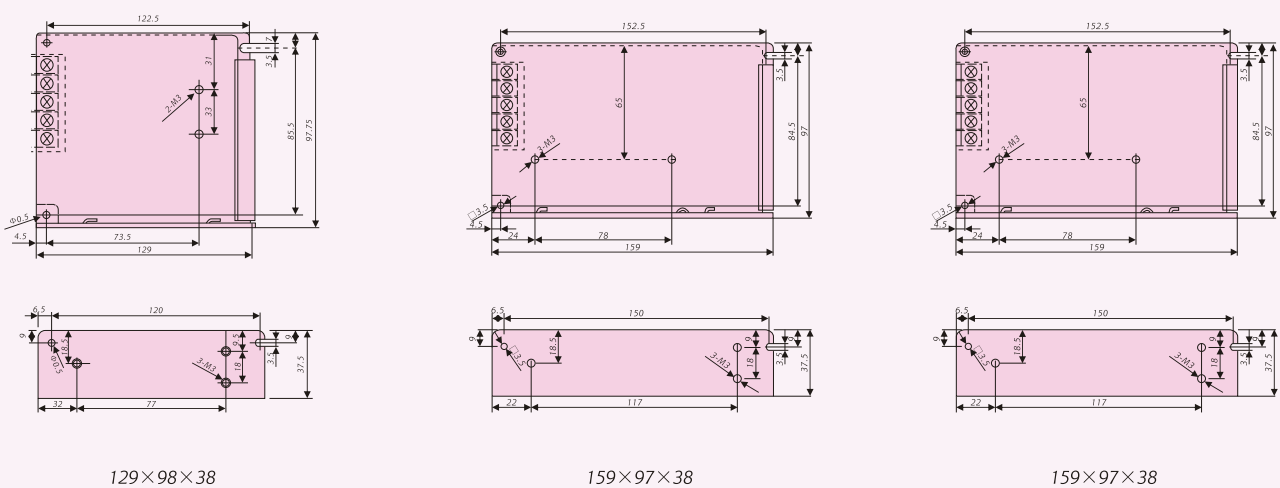
Ref.	Model	Output	Output Voltage Adjustable Range	Output Voltage Tolerance	Efficiency	Case Qty(Pcs)	Item Code
15W Single Output *1							
S-15-24	S-15-5	5V, 0~3.0A	+10, -5%	±2%	65%	45	19015050
	S-15-12	12V, 0~1.3A	±10%	±1%	68%	45	19015120
	S-15-24	24V, 0~0.7A	±10%	±1%	73%	45	19015240
25W Single Output *2							
S-25-12	S-25-5	5V, 0~5.0A	+10, -5%	±2%	72%	45	19025050
	S-25-12	12V, 0~2.1A	±10%	±1%	76%	45	19025120
	S-25-15	15V, 0~1.7A	±10%	±1%	77%	45	19025150
	S-25-24	24V, 0~1.1A	±10%	±1%	80%	45	19025240
35W Single Output *3							
S-35-24	S-35-5	5V, 0~7.0A	+10, -5%	±2%	70%	30	19035050
	S-35-12	12V, 0~3.0A	±10%	±1%	76%	30	19035120
	S-35-15	15V, 0~2.4A	±10%	±1%	78%	30	19035150
	S-35-24	24V, 0~1.5A	±10%	±1%	78%	30	19035240
AC input voltage range: 85-132VAC/170-264VAC selected by switch: 47-63Hz; 240-370VDC							
*1 Input current: 0.35A/115V,0.18A/230V							
*2 Input current: 0.6A/115V,0.35A/230V							
*3 Input current: 08A/115V,0.45A/230V							

● DIMENSION



Ref.	Model	Output	Output Voltage Adjustable Range	Output Voltage Tolerance	Efficiency	Case Qty(Pcs)	Item Code
40W Single Output * ¹							
S-40-24	S-40-5	5V, 0~8.0A	+ 10, -5%	±2%	72%	30	19040050
	S-40-12	12V, 0~3.5A	± 10%	± 1%	76%	30	19040120
	S-40-15	15V, 0~2.8A	± 10%	± 1%	76%	30	19040150
	S-40-24	24V, 0~1.8A	± 10%	± 1%	78%	30	19040240
50W Single Output * ²							
S-50-12	S-50-5	5V, 0~10A	+ 10, -5%	±2%	71%	30	19050050
	S-50-12	12V, 0~4.2A	± 10%	± 1%	78%	30	19050120
	S-50-15	15V, 0~3.4A	± 10%	± 1%	78%	30	19050150
	S-50-24	24V, 0~2.1A	± 10%	± 1%	82%	30	19050240
60W Single Output * ³							
S-60-12	S-60-5	5V, 0~12A	+ 10, -5%	±2%	73%	30	19060050
	S-60-12	12V, 0~5.0A	± 10%	± 1%	76%	30	19060120
	S-60-15	15V, 0~4.0A	± 10%	± 1%	77%	30	19060150
	S-60-24	24V, 0~2.5A	± 10%	± 1%	79%	30	19060240
AC input voltage range: 85-132VAC/170-264VAC selected by switch: 47-63Hz; 240-370VDC							
* ¹ Input current: 1.2A/115V,0.6A/230V							
* ² Input current: 1.3A/115V,0.65A/230V							
* ³ Input current: 2A/115V,0.6A/230V							

● DIMENSION



Ref.	Model	Output	Output Voltage Adjustable Range	Output Voltage Tolerance	Efficiency	Case Qty(Pcs)	Item Code
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S-75-12



S-100-24



S-120-24



75W Single Output *1

S-75-5	5V, 0~15A	+10, -5%	±2%	71%	30	19075050
S-75-12	12V, 0~6.3A	±10%	±1%	78%	30	19075120
S-75-15	15V, 0~5A	±10%	±1%	78%	30	19075150
S-75-24	24V, 0~3.2A	±10%	±1%	82%	30	19075240

100W Single Output *2

S-100-3	3V, 0~20A	2.85-3.3V	±2%	70%	30	19100030
S-100-5	5V, 0~20A	4.75-5.5V	±2%	78%	30	19100050
S-100-7.5	7.5V, 0~13.6A	6.75-8.25V	±1%	80%	30	19100075
S-100-12	12V, 0~8.5A	10.8-13.2V	±1%	81%	30	19100120
S-100-15	15V, 0~6.7A	13.5-16.4V	±1%	81%	30	19100150
S-100-24	24V, 0~4.5A	21.6-26.4V	±1%	84%	30	19100240
S-100-27	27V, 0~3.7A	26-32V	±1%	84%	30	19100270
S-100-48	48V, 0~2.0A	43.2-52.8V	±1%	84%	30	19100480

120W Single Output *3

S-120F-5	5V, 0~20A	±10%	±2%	76%	30	19120050
S-120F-7.5	7.5V, 0~16A	±10%	±1%	78%	30	19120075
S-120F-12	12V, 0~10A	±10%	±1%	80%	30	19120120
S-120F-15	15V, 0~8A	±10%	±1%	81%	30	19120150
S-120F-24	24V, 0~5A	±10%	±1%	83%	30	19120240
S-120F-48	48V, 0~2.5A	±10%	±1%	84%	30	19120480

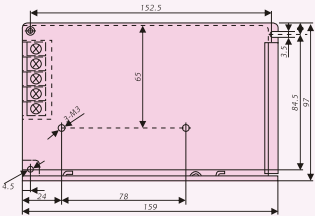
AC input voltage range: 85-132VAC/170-264VAC selected by switch: 47-63Hz; 240-370VDC

*1 Input current: 1.6A/115V,0.8A/230V

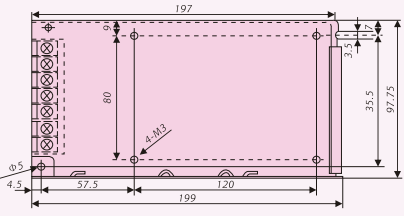
*2 Input current: 2.4A/115V,1.2A/230V

*3 Input current: 2.5A/115V,1.25A/230V

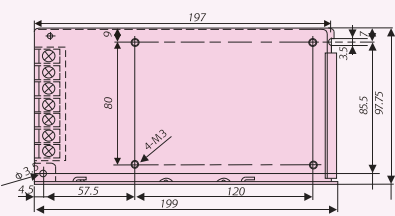
● DIMENSION



159×97×38



199×98×38



199×98×38

Ref.	Model	Output	Output Voltage Adjustable Range	Output Voltage Tolerance	Efficiency	Case Qty(Pcs)	Item Code
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S-145-12



S-150-12



S-200-24



145W Single Output *1

S-145-5	5V, 0~25A	4.75-5.5V	±2%	78%	30	19145050
S-145-7.5	7.5V, 0~18A	6-8V	±1%	80.50%	30	19145075
S-145-12	15V, 0~12A	10.8-13.2V	±1%	80.50%	30	19145120
S-145-24	24V, 0~6A	21-28V	±1%	80.50%	30	19145240

150W Single Output *2

S-150-5	5V, 0~30A	4.5-5.5V	±2%	78%	20	19150050
S-150-7.5	7.5V, 0~20.0A	6-8.3V	±1%	80%	20	19150075
S-150-9	9V, 0~16.70A	8-10.4V	±1%	80%	20	19150090
S-150-12	12V, 0~12.5A	10.6-13.2V	±1%	82%	20	19150120
S-150-13.5	13.5V, 0~11.2A	12-15V	±1%	83%	20	19150135
S-150-15	15V, 0~10.0A	13.5-16.4V	±1%	84%	20	19150150
S-150-24	24V, 0~6.5A	21-28V	±1%	85%	20	19150240
S-150-27	27V, 0~5.60A	24-30V	±1%	86%	20	19150270
S-150-48	48V, 0~3.20A	43-53V	±1%	87%	20	19150480

200W Single Output *3

S-200-5	5V, 0~40.0A	4.75-5.5V	±2%	75%	20	19200050
S-200-12	12V, 0~16.5A	10.8-13.2V	±1%	80%	20	19200120
S-200-15	15V, 0~13.3A	13.5-16.5V	±1%	80%	20	19200150
S-200-24	24V, 0~8.5A	21.6-26.4V	±1%	82%	20	19200240
S-200-27	27V, 0~7.4A	26-32V	±1%	82%	20	19200270

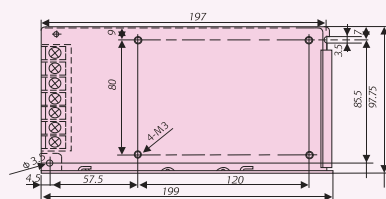
AC input voltage range: 85-132VAC/170-264VAC selected by switch: 47-63Hz; 240-370VDC

*1 Input current: 2.4A/115V,1.2A/230V

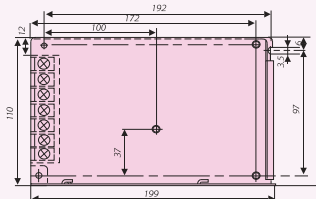
*2 Input current: 3.2A/115V,1.6A/230V

*3 Input current: 4.2A/115V,2.2A/230V

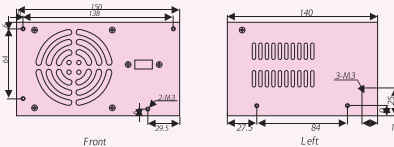
● DIMENSION



199×98×38



199×110×50



150×140×86

Ref.	Model	Output	Output Voltage Adjustable Range	Output Voltage Tolerance	Efficiency	Case Qty(Pcs)	Item Code
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201W Single Output *1

S-201-5	5V,0~40A	4.5-5.6V	±2%	73%	12	19201050
S-201-7.5	7.5V,0~26.5A	6-9V	±2%	76%	12	19201075
S-201-12	12V,0~16.5A	10-13.2V	±1%	79%	12	19201120
S-201-13.5	13.5V,0~14.7A	12-15V	±1%	79%	12	19201135
S-201-15	15V,0~13.0A	13.5-18V	±1%	80%	12	19201150
S-201-24	24V,0~8.30A	20-26.4V	±1%	81%	12	19201200
S-201-27	27V,0~7.4A	26-32V	±1%	82%	12	19201270
S-201-48	48V,0~4.2A	41-56V	±1%	83%	12	19201400

240W Single Output *2

S-240-5	5V,0~40A	4.5-5.8V	±2%	78%	12	19240050
S-240-7.5	7.5V,0~30A	6-9V	±2%	80%	12	19240075
S-240-12	12V,0~18A	10-14V	±1%	82%	12	19240120
S-240-15	15V,0~15A	12-18V	±1%	83%	12	19240150
S-240-24	24V,0~10A	20-28V	±1%	84%	12	19240240
S-240-30	30V,0~8.0A	27-33V	±1%	85%	12	19240300
S-240-48	48V,0~5A	41-56V	±1%	87%	12	19240400

250W Single Output *3

S-250-5	5V,0~40A	4.5-5.8V	±2%	73%	12	19250050
S-250-7.5	7.5V,0~30A	6-9V	±2%	76%	12	19250075
S-250-12	12V,0~20A	10-14V	±1%	79%	12	19250120
S-250-15	15V,0~16.6A	12-18V	±1%	80%	12	19250150
S-250-24	24V,0~10A	20-28V	±1%	81%	12	19250240
S-250-48	48V,0~5.2A	41-56V	±1%	83%	12	19250480

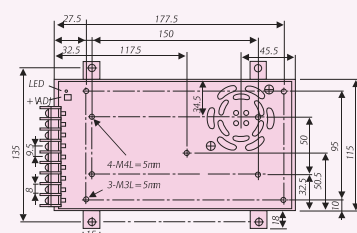
AC input voltage range: 85-132VAC/170-264VAC selected by switch: 47-63Hz; 240-370VDC

*1 Input current: 4.5A/115V,2.5A/230V

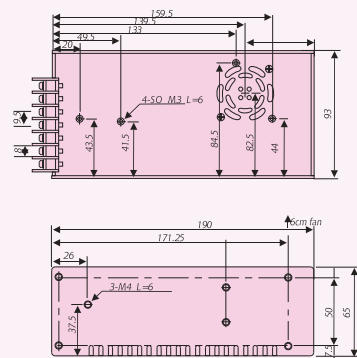
*2 Input current: 4.5A/115V,3.6A/230V

*3 Input current: 5.0A/115V,2.5A/230V

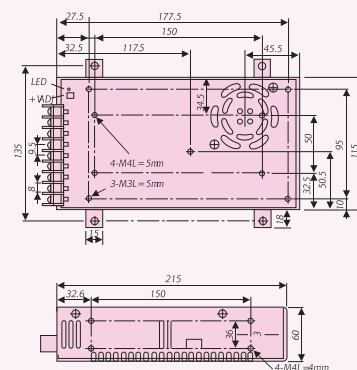
● DIMENSION



215×115×50



190×93×65



215×115×50

Ref.	Model	Output	Output Voltage Adjustable Range	Output Voltage Tolerance	Efficiency	Case Qty(Pcs)	Item Code
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320W Single Output *1

S-320-5	5V,0~50A	4.5-5.7V	±2%	77%	12	19320050
S-320-7.5	7.5V,0~36A	6-9V	±2%	80%	12	19320075
S-320-12	12V,0~25A	10-13.2V	±1%	82%	12	19320120
S-320-13.5	13.5V,0~22A	12-15V	±1%	83%	12	19320135
S-320-15	15V,0~20A	13.5-18V	±1%	84%	12	19320150
S-320-24	24V,0~12.5A	20-26.4V	±1%	86%	12	19320240
S-320-27	27V,0~11A	26-31V	±1%	86%	12	19320270
S-320-48	48V,0~6.5A	41-56V	±1%	87%	12	19320480

350W Single Output *2

S-350-5	5V,0~50A	4.5-5.6V	±2%	73%	12	19350050
S-350-7.5	7.5V,0~40A	6-9V	±2%	76%	12	19350075
S-350-12	12V,0~29A	10-13.2V	±1%	79%	12	19350120
S-350-13.5	13.5V,0~25.8A	12-15V	±1%	79%	12	19350135
S-350-15	15V,0~23.2A	13.5-18V	±1%	80%	12	19350150
S-350-24	24V,0~14.6A	20-26.4V	±1%	81%	12	19350240
S-350-27	27V,0~13A	26-32V	±1%	82%	12	19350270
S-350-48	48V,0~7.3A	42-56V	±1%	83%	12	19350480

500W Single Output *3

S-500-12	12V,0~40A	10-13.2V	±2%	84%	12	19500120
S-500-13.5	13.5V,0~36A	12-15V	±1%	84%	12	19500135
S-500-15	15V,0~32A	13.5-18V	±1%	83%	12	19500150
S-500-24	24V,0~20A	20-26.4V	±1%	85%	12	19500240
S-500-27	27V,0~18A	24-30V	±1%	86%	12	19500270
S-500-48	48V,0~10A	41-56V	±1%	87%	12	19500480

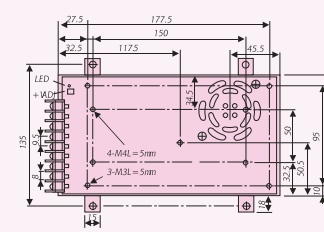
AC input voltage range: 85-132VAC/170-264VAC selected by switch: 47-63Hz; 240-370VDC

*1 Input current: 6A/115V,3.5A/230V

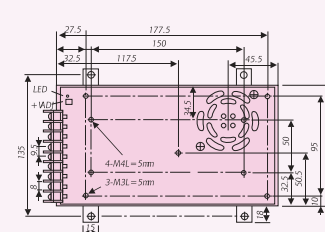
*2 Input current: 6.5A/115V,4A/230V

*3 Input current: 7A/115V,3.5

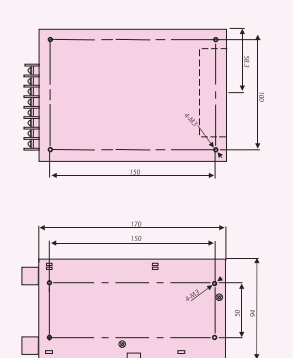
● DIMENSION



215×115×50



215×115×50



185×120×92