

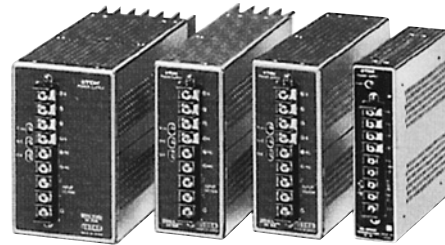
Power Supplies

DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

The R series DR-UGB products are high-reliability and multi-function power supplies with the rated input DC.110V. Various types are selectable out of an abundant lineup covering 24 types from 30W to 300W. This series is optimum for incorporating an uninterruptible device in addition to power electronics related devices for power or plant controls.



FEATURES

- DC.110V input high-reliability single-output power supply.
- Optimum to uses of pulse load.
- Input surge current reduced (Soft-start circuit built-in).
- Remote ON-OFF function (Floating).
- Remote sensing function.

PART NUMBERS AND RATINGS

Output voltage(V)	30W Type		50W Type		75W Type	
	Current(A)	Part No.	Current(A)	Part No.	Current(A)	Part No.
5	6	DR05-6R0UGB	10	DR05-10RUGB	15	DR05-15RUGB
12	2.5	DR12-2R5UGB	5	DR12-5R0UGB	6.3	DR12-6R3UGB
15			4	DR15-4R0UGB		
24	1.3	DR24-1R3UGB	2.5	DR24-2R5UGB	3.2	DR24-3R2UGB
48	—		1.3	DR48-1R3UGB	1.6	DR48-1R6UGB

Output voltage(V)	100W Type		150W Type		300W Type	
	Current(A)	Part No.	Current(A)	Part No.	Current(A)	Part No.
5	20	DR05-20RUGB	30	DR05-30RUGB	60	DR05-60RUGB
12	8.5	DR12-8R5UGB	12	DR12-12RUGB	27	DR12-27RUGB
24	4.5	DR24-4R5UGB	6	DR24-6R0UGB	16	DR24-16RUGB
48	2.2	DR48-2R2UGB	3	DR48-3R0UGB	6	DR48-6R0UGB

Power Supplies

R Series DR-UGB(30 to 300W)

DC Input

Single Output, Long Life

DR-UGB30W TYPE

SPECIFICATIONS AND STANDARDS

Part No.		DR05-6R0UGB		DR12-2R5UGB		DR24-1R3UGB	
Rated output voltage and current*		5V • 6A		12V • 2.5A		24V • 1.3A	
Maximum output power		W	33	33	34.4		
Input conditions							
Input voltage Edc		V	88 to 143[Rating: 110]				
Input current		A	0.7max.[DC.88V]				
Fuse rating		A	3.15[Built-in]				
Surge current		A	15max.[25°C, input and output ratings, 1st surge current, reset after 5s minimum.]				
Leakage current		mA	0.5max.(0.3typ.)				
Efficiency		%	75typ.[25°C, input and output ratings]				
Output characteristics							
Output voltage Edc		V	5	12	24		
Voltage variable range Edc		V	4.25 to 5.5	9.5 to 13.5	19 to 26.5		
Maximum output current		A	6	2.5	1.3		
Overvoltage threshold Edc		V	5.8 to 6.9	13.7 to 15.7	27 to 30.5		
Overcurrent threshold		A	6.6 to 7.8	2.8 to 3.3	1.5 to 1.8		
Voltage stability	Source effect	%	0.8max.(0.5typ.)[Within the input voltage range]				
	Load effect	%	0.8max.(0.4typ.)[10 to 100% load]				
	Temperature effect	%	1.2max.(0.4typ.)[Ambient temperature: 0 to +50°C]				
	Drift(Time effect)	%	0.5max.[25°C, input and output ratings, after input voltage ON for 30min to 8h]				
	Recovery	%/ms	±4max./1max.[50 to 100% sudden load change, tr, tf ≥ 5μs]				
Total effect			2max.(1.3typ.)				
Ripple Ep-p		mV	50max.	80max.	100max.		
Ripple noise Ep-p		mV	75max.	110max.	170max.		
Start up time		ms	100max.(50typ.)[Input and output ratings]				
Hold up time		ms	10min.(20typ.)[Input and output ratings]				
Auxiliary functions							
Indicator display		No					
Overvoltage protection		Voltage shut-down type, recovers upon reset(interval approx. 5s), set value fixed.					
Overcurrent protection		Rectangular type, automatic recovery, set value fixed.					
Remote ON-OFF		Yes(Floating)					
Remote sensing		Yes					
Standards							
Safety standards		—					
Noise terminal voltage		CISPR standard meet.					
Constructions							
External dimensions		mm	130×35×146[H×W×L]				
Weight		g	650max.				
Mounting method		Can be attached to 4 sides.					
Case material		Aluminum(Phosphoric acid anodized surface)					

* Current rating(maximum output current) is determined for 0 to +50°C. Derating is required when used outside this temperature range.

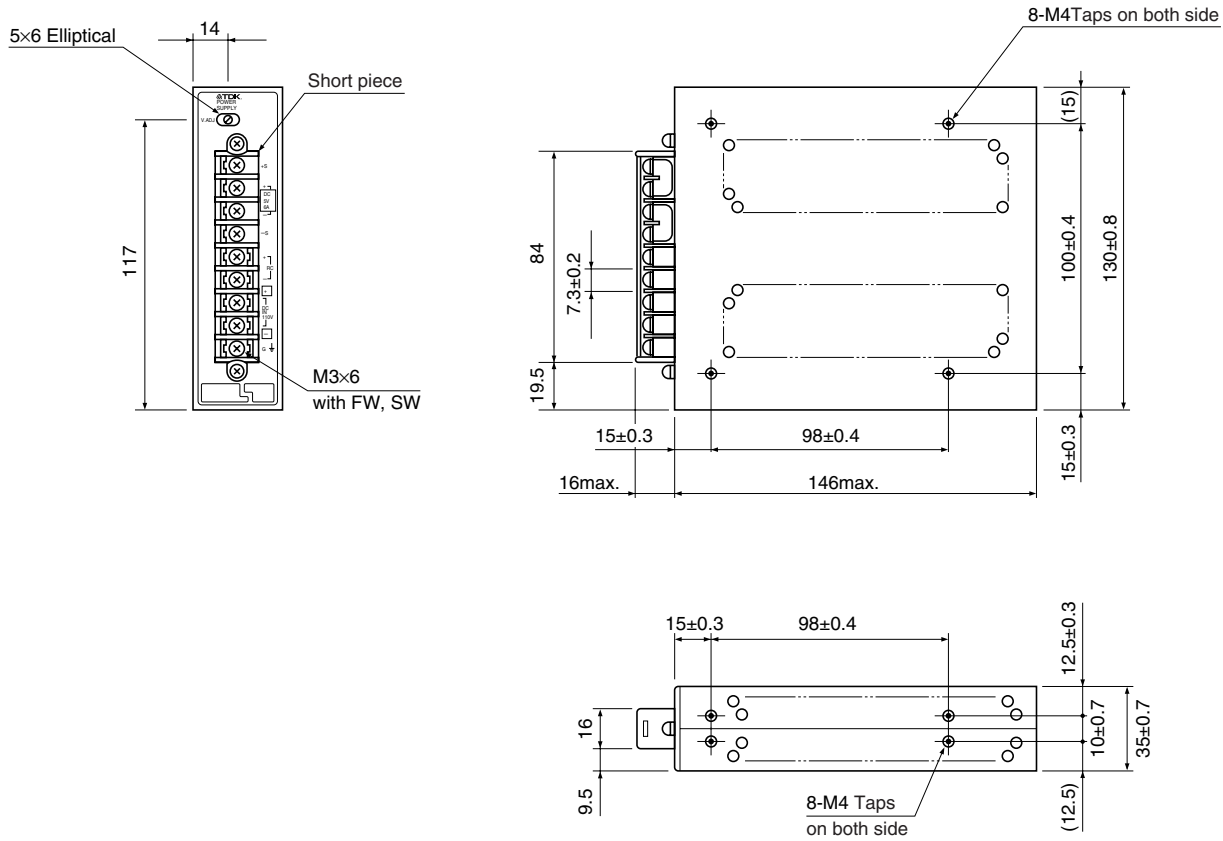
Power Supplies

DC Input

Single Output, Long Life

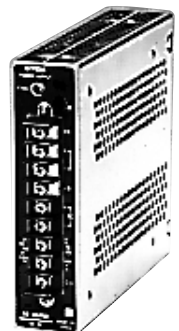
R Series DR-UGB(30 to 300W)

DR-UGB30W TYPE SHAPES AND DIMENSIONS



Dimensions in mm
±1mm : without specified dimensions

- Do not insert M4 tap installation screws more than 7mm from surface of power supply.



Power Supplies

R Series DR-UGB(30 to 300W)

DC Input

Single Output, Long Life

DR-UGB50W TYPE

SPECIFICATIONS AND STANDARDS

Part No.		DR05-10RUGB	DR12-5R0UGB	DR15-4R0UGB	DR24-2R5UGB	DR48-1R3UGB
Rated output voltage and current*		5V • 10A	12V • 5A	15V • 4A	24V • 2.5A	48V • 1.3A
Maximum output power	W	55	68	66	66	69
Input conditions						
Input voltage E _{dc}	V	88 to 143[Rating: 110]				
Input current	A	0.9max.(0.7typ.)[DC.88V]				
Fuse rating	A	3.15[Built-in]				
Surge current	A	12max.[25°C, input and output ratings, 1st surge current, reset after 5s minimum.]				
Efficiency	%	81typ.	83typ.	83typ.	85typ.	85typ.
Output characteristics						
Output voltage E _{dc}	V	5	12	15	24	48
Voltage variable range E _{dc}	V	4 to 5.5	9.5 to 13.5	12 to 16.5	19 to 26.5	38.4 to 53
Maximum output current	A	10	5	4	2.5	1.3
Overvoltage threshold E _{dc}	V	6 to 6.5	14 to 14.5	17 to 17.5	27 to 27.5	55 to 57
Overcurrent threshold	A	11.5 to 12.5	5.7 to 6.3	4.6 to 5	2.8 to 3.2	1.5 to 1.7
Voltage stability	Source effect	%	0.8max.(0.5typ.)[Within the input voltage range]			Total effect 2max.(1.3typ.)
	Load effect	%	1max.(0.5typ.)[10 to 100% load]			
	Temperature effect	%	1.2max.(0.4typ.)[Ambient temperature: 0 to +50°C]			
	Drift(Time effect)	%	0.5max.(0.1typ.)[25°C, input and output ratings, after input voltage ON for 30min to 8h]			
	Recovery	%/ms	±4max./1max.[50 to 100% sudden load change, tr, tf ≥ 5μs]			
Ripple E _{p-p}	mV	50max.	80max.	80max.	100max.	100max.
Ripple noise E _{p-p}	mV	75max.	110max.	125max.	170max.	290max.
Start up time	ms	150max.(90typ.)[Input and output ratings]				
Hold up time	ms	15min.(20typ.)[Input and output ratings]				
Auxiliary functions						
Indicator display		No				
Overvoltage protection		Voltage shut-down type, recovers upon reset(interval approx. 5s).				
Overcurrent protection		Rectangular type, automatic recovery.				
Remote ON-OFF		Yes(Floating)				
Remote sensing		Yes				
Standards						
Safety standards		—				
Noise terminal voltage		CISPR standard meet.				
Constructions						
External dimensions	mm	130×55×191[H×W×L]				
Weight	kg	1.1max.				
Mounting method		Can be attached to 4 sides.				
Case material		Aluminum				

* Current rating(maximum output current) is determined for 0 to +50°C. Derating is required when used outside this temperature range.

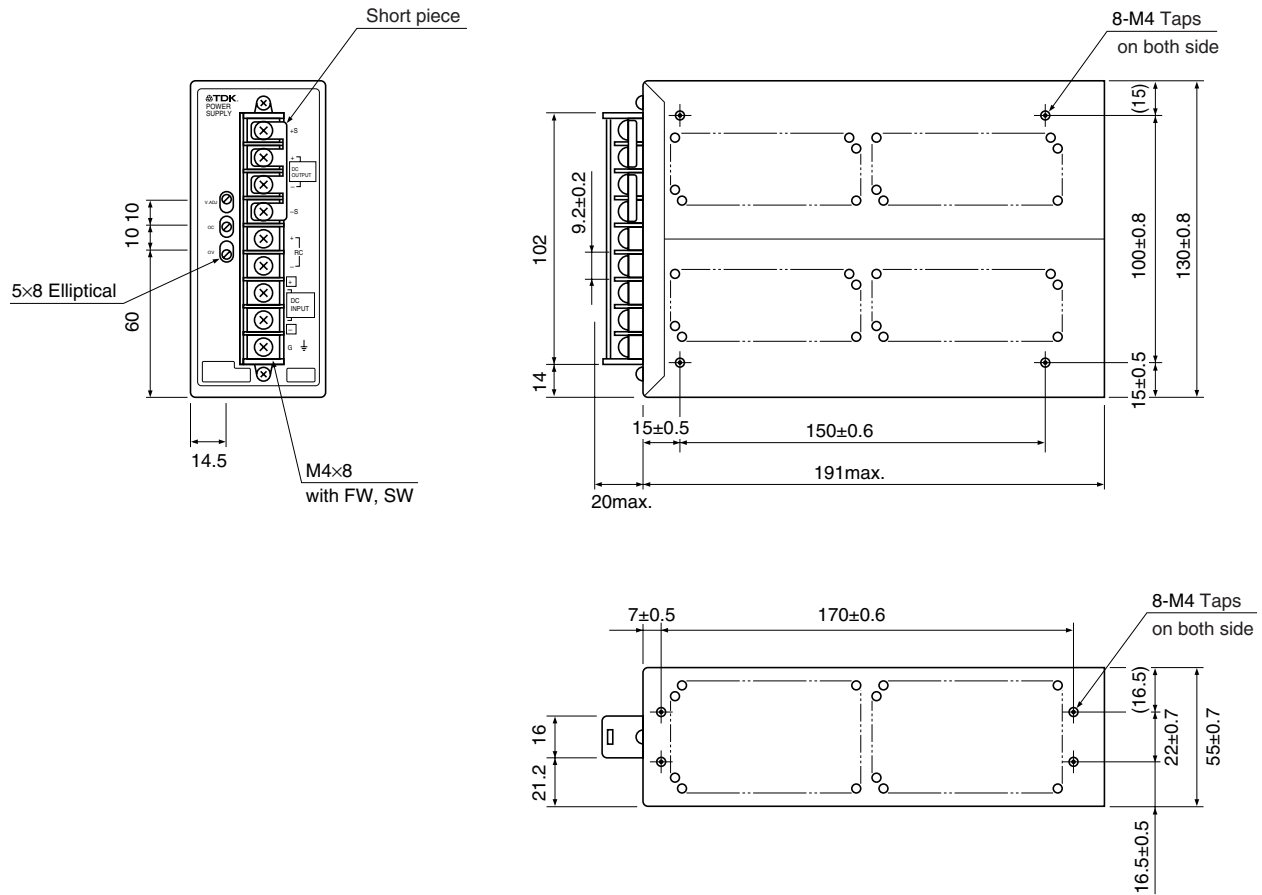
Power Supplies

DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

DR-UGB50W TYPE SHAPES AND DIMENSIONS



Dimensions in mm
±1mm : without specified dimensions

- Do not insert M4 tap installation screws more than 7mm from surface of power supply.



Power Supplies

R Series DR-UGB(30 to 300W)

DC Input

Single Output, Long Life

DR-UGB75W TYPE

SPECIFICATIONS AND STANDARDS

Part No.		DR05-15RUGB	DR12-6R3UGB	DR24-3R2UGB	DR48-1R6UGB
Rated output voltage and current*		5V • 15A	12V • 6.3A	24V • 3.2A	48V • 1.6A
Maximum output power	W	82.5	85	85	85
Input conditions					
Input voltage E _{dc}	V	88 to 143[Rating: 110]			
Input current	A	1.2max.(0.85typ.)(DC.88V]			
Fuse rating	A	4[Built-in]			
Surge current	A	12max.[25°C, input and output ratings, 1st surge current, reset after 5s minimum.]			
Efficiency	%	81typ.	83typ.	86typ.	86typ.
Output characteristics					
Output voltage E _{dc}	V	5	12	24	48
Voltage variable range E _{dc}	V	4 to 5.5	9.5 to 13.5	19 to 26.5	38.4 to 53
Maximum output current	A	15	6.3	3.2	1.6
Overvoltage threshold E _{dc}	V	6 to 6.5	14 to 14.5	27 to 27.5	55 to 57
Overcurrent threshold	A	17.2 to 18.8	7.2 to 7.9	3.6 to 4	1.8 to 2
Voltage stability	Source effect	%	0.8max.(0.5typ.)(Within the input voltage range]		
	Load effect	%	1max.(0.5typ.)(10 to 100% load]		
	Temperature effect	%	1.2max.(0.4typ.)(Ambient temperature: 0 to +50°C]		
	Drift(Time effect)	%	0.5max.(0.1typ.)(25°C, input and output ratings, after input voltage ON for 30min to 8h]		
	Recovery	%/ms	±4max./1max.[50 to 100% sudden load change, tr, tf ≥ 5μs]		
Ripple E _{p-p}	mV	50max.	80max.	100max.	100max.
Ripple noise E _{p-p}	mV	75max.	110max.	170max.	290max.
Start up time	ms	150max.(90typ.)(Input and output ratings]			
Hold up time	ms	15min.(20typ.)(Input and output ratings]			
Auxiliary functions					
Indicator display		No			
Overvoltage protection		Voltage shut-down type, recovers upon reset(interval approx. 8s).			
Overcurrent protection		Rectangular type, automatic recovery.			
Remote ON-OFF		Yes(Floating)			
Remote sensing		Yes			
Standards					
Safety standards		—			
Noise terminal voltage		CISPR standard meet.			
Constructions					
External dimensions	mm	130×55×224[H×W×L]			
Weight	kg	1.2max.			
Mounting method		Can be attached to 4 sides.			
Case material		Aluminum			

* Current rating(maximum output current) is determined for 0 to +50°C. Derating is required when used outside this temperature range.

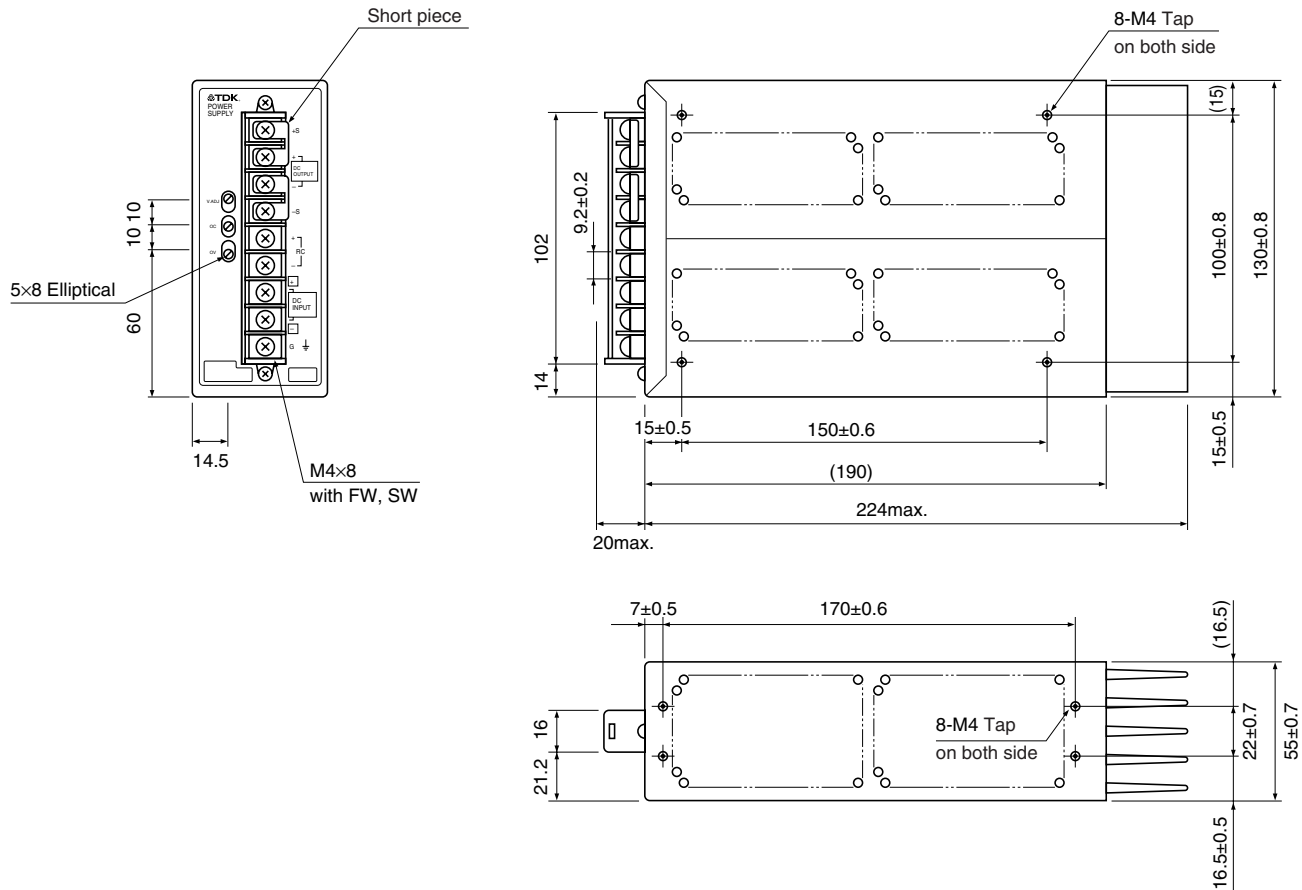
Power Supplies

DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

DR-UGB75W TYPE SHAPES AND DIMENSIONS



Dimensions in mm

±1mm : without specified dimensions

- Do not insert M4 tap installation screws more than 7mm from surface of power supply.



Power Supplies

R Series DR-UGB(30 to 300W)

DC Input

Single Output, Long Life

DR-UGB100W TYPE

SPECIFICATIONS AND STANDARDS

Part No.		DR05-20RUGB	DR12-8R5UGB	DR24-4R5UGB	DR48-2R2UGB
Rated output voltage and current*		5V • 20A	12V • 8.5A	24V • 4.5A	48V • 2.2A
Maximum output power	W	110	115	119	117
Input conditions					
Input voltage E _{dc}	V	88 to 143[Rating: 110]			
Input current	A	1.7max.(1.1typ.)[DC.88V]			
Fuse rating	A	5[Built-in]			
Surge current	A	12max.[25°C, input and output ratings, 1st surge current, reset after 15s minimum.]			
Efficiency	%	81typ.	83typ.	86typ.	86typ.
Output characteristics					
Output voltage E _{dc}	V	5	12	24	48
Voltage variable range E _{dc}	V	4 to 5.5	9.5 to 13.5	19 to 26.5	38.4 to 53
Maximum output current	A	20	8.5	4.5	2.2
Overvoltage threshold E _{dc}	V	6 to 6.5	14 to 14.5	27 to 27.5	55 to 57
Overcurrent threshold	A	23 to 25	9.7 to 10.7	5.1 to 5.7	2.5 to 2.8
Voltage stability	Source effect	%	0.8max.(0.5typ.)[Within the input voltage range]		
	Load effect	%	1max.(0.5typ.)[10 to 100% load]		
	Temperature effect	%	1.2max.(0.4typ.)[Ambient temperature: 0 to +50°C]		
	Drift(Time effect)	%	0.5max.(0.1typ.)[25°C, input and output ratings, after input voltage ON for 30min to 8h]		
	Recovery	%/ms	±4max./1max.[50 to 100% sudden load change, tr, tf ≥ 5μs]		
Ripple E _{p-p}	mV	50max.	80max.	100max.	100max.
Ripple noise E _{p-p}	mV	75max.	110max.	170max.	290max.
Start up time	ms	150max.(90typ.)[Input and output ratings]			
Hold up time	ms	15min.(20typ.)[Input and output ratings]			
Auxiliary functions					
Indicator display		No			
Overvoltage protection		Voltage shut-down type, recovers upon reset(interval approx. 15s).			
Overcurrent protection		Rectangular type, automatic recovery.			
Remote ON-OFF		Yes(Floating)			
Remote sensing		Yes			
Standards					
Safety standards		—			
Noise terminal voltage		CISPR standard meet.			
Constructions					
External dimensions	mm	130×83×224[H×W×L]			
Weight	kg	1.8max.			
Mounting method		Can be attached to 4 sides.			
Case material		Aluminum			

* Current rating(maximum output current) is determined for 0 to +50°C. Derating is required when used outside this temperature range.

Power Supplies

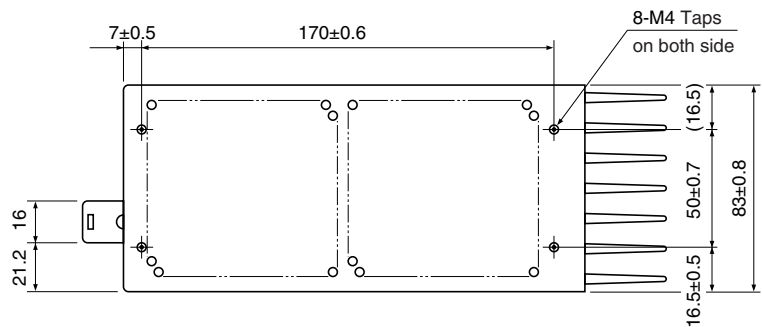
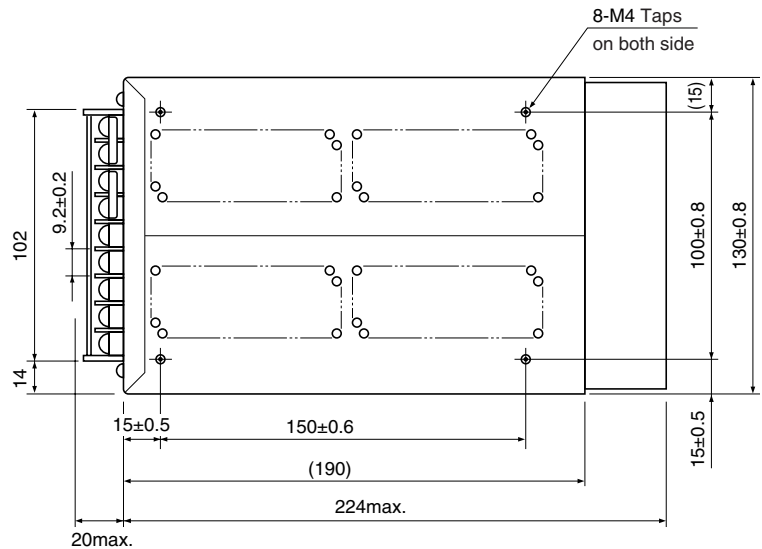
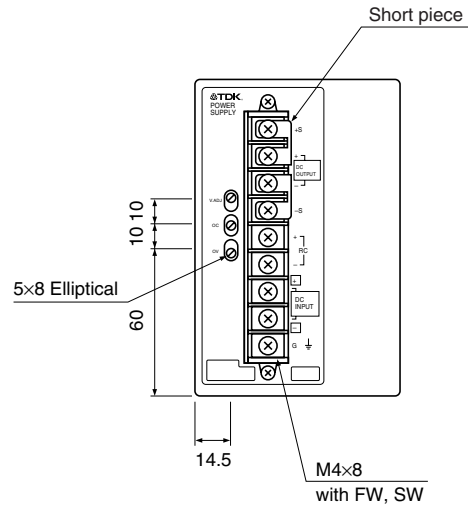
DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

DR-UGB100W TYPE

SHAPES AND DIMENSIONS



Dimensions in mm
±1mm : without specified dimensions

- Do not insert M4 tap installation screws more than 7mm from surface of power supply.



Power Supplies

R Series DR-UGB(30 to 300W)

DC Input

Single Output, Long Life

DR-UGB150W TYPE

SPECIFICATIONS AND STANDARDS

Part No.		DR05-30RUGB		DR12-12RUGB		DR24-6R0UGB		DR48-3R0UGB		
Rated output voltage and current*		5V • 30A		12V • 12A		24V • 6A		48V • 3A		
Maximum output power		W	165	162		159		159		
Input conditions										
Input voltage E _{dc}		V	88 to 143[Rating: 110]							
Input current		A	2.7max. (1.6typ.)[DC.88V]							
Fuse rating		A	6[Built-in]							
Surge current		A	15max. [25°C, input and output ratings, 1st surge current, reset after 20s minimum.]							
Efficiency		%	81typ.		83typ.		86typ.		86typ.	
Output characteristics										
Output voltage E _{dc}		V	5		12		24		48	
Voltage variable range E _{dc}		V	4 to 5.5		9.5 to 13.5		19 to 26.5		38.4 to 53	
Maximum output current		A	30		12		6		3	
Overvoltage threshold E _{dc}		V	6 to 6.5		14 to 14.5		27 to 27.5		55 to 57	
Overcurrent threshold		A	34.6 to 37.5		13.8 to 15		6.9 to 7.5		3.4 to 3.8	
Voltage stability	Source effect	%	0.8max. (0.5typ.) [Within the input voltage range]							
	Load effect	%	1max. (0.5typ.) [10 to 100% load]				Total effect 2max. (1.3typ.)			
	Temperature effect	%	1.2max. (0.4typ.) [Ambient temperature: 0 to +50°C]							
	Drift (Time effect)	%	0.5max. (0.1typ.) [25°C, input and output ratings, after input voltage ON for 30min to 8h]							
	Recovery	%/ms	±4max./1max.. [50 to 100% sudden load change, tr, tf ≥ 5μs]							
Ripple E _{p-p}		mV	50max.		80max.		100max.		100max.	
Ripple noise E _{p-p}		mV	75max.		110max.		170max.		290max.	
Start up time		ms	150max. (90typ.) [Input and output ratings]							
Hold up time		ms	15min. (20typ.) [Input and output ratings]							
Auxiliary functions										
Indicator display			No							
Overvoltage protection			Voltage shut-down type, recovers upon reset(interval approx. 20s).							
Overcurrent protection			Rectangular type, automatic recovery.							
Remote ON-OFF			Yes(Floating)							
Remote sensing			Yes							
Standards										
Safety standards			—							
Noise terminal voltage			CISPR standard meet.							
Constructions										
External dimensions		mm	130×103×224 [H×W×L]							
Weight		kg	2.3max.							
Mounting method			Can be attached to 4 sides.							
Case material			Aluminum							

* Current rating (maximum output current) is determined for 0 to +50°C. Derating is required when used outside this temperature range.

Power Supplies

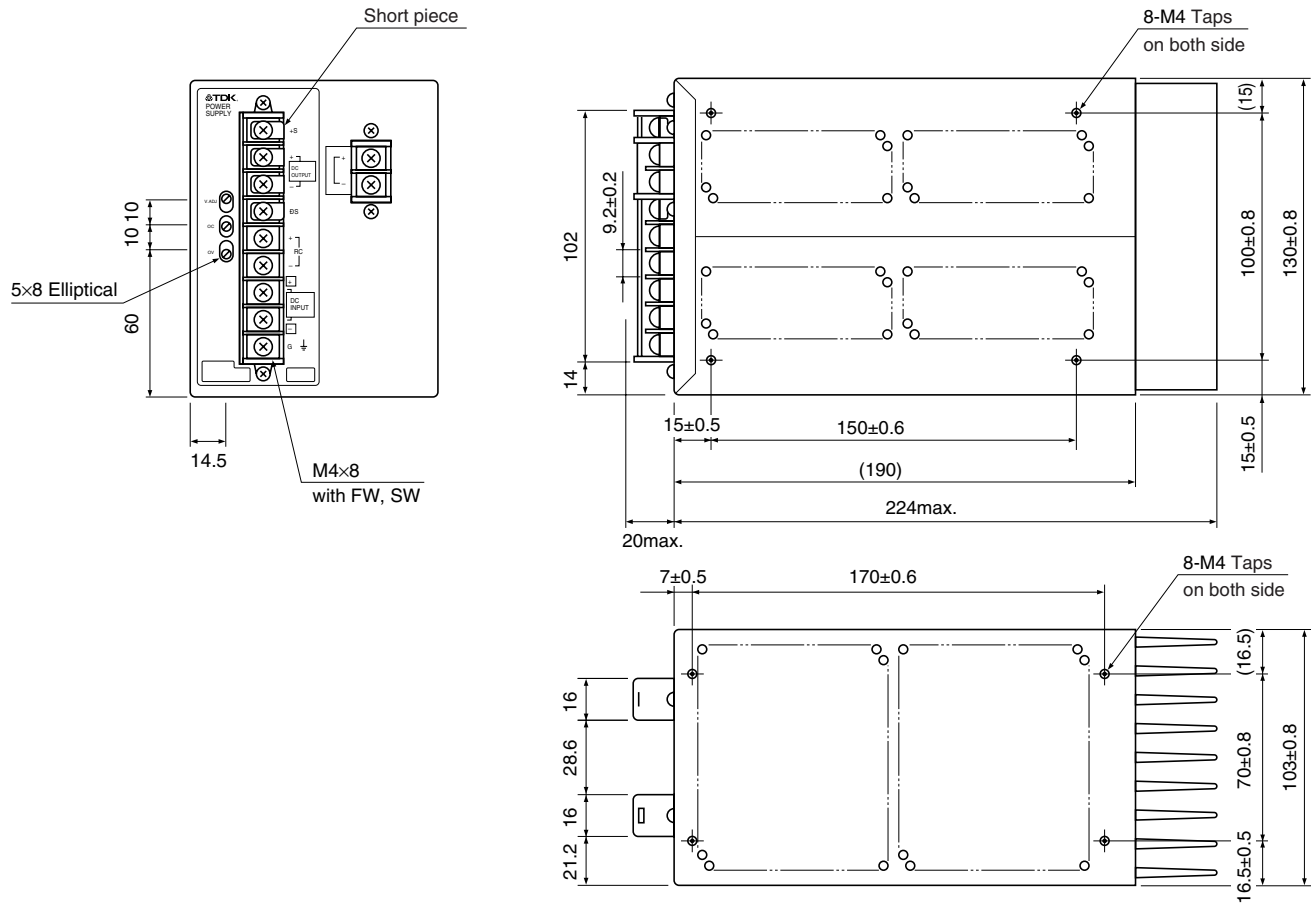
DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

DR-UGB150W TYPE

SHAPES AND DIMENSIONS



Dimensions in mm
±1mm : without specified dimensions

- Do not insert M4 tap installation screws more than 7mm from surface of power supply.
- Output terminals on 2 places. Connect both terminals when output current was over 25A.



Power Supplies

R Series DR-UGB(30 to 300W)

DC Input

Single Output, Long Life

DR-UGB300W TYPE

SPECIFICATIONS AND STANDARDS

Part No.		DR05-60RUGB	DR12-27RUGB	DR24-16RUGB	DR48-6R0UGB
Rated output voltage and current*		5V • 60A	12V • 27A	24V • 16A	48V • 6A
Maximum output power	W	330	365	384	318
Input conditions					
Input voltage E _{dc}	V	88 to 143[Rating: 110]			
Input current	A	7max.[DC.88V]			
Fuse rating	A	15[Built-in]			
Surge current	A	25max.[25°C, input and output ratings, 1st surge current, reset after 40s minimum.]			
Leakage current	mA	0.5max.(0.3typ.)[25°C, input and output ratings]			
Efficiency	%	80typ.[25°C, input and output ratings]			
Output characteristics					
Output voltage E _{dc}	V	5	12	24	48
Voltage variable range E _{dc}	V	4 to 5.5	9.5 to 13.5	19 to 26.5	38.4 to 53
Maximum output current	A	60	27	16	6
Overvoltage threshold E _{dc}	V	6 to 6.5	14 to 14.5	27 to 27.5	55 to 57
Overcurrent threshold	A	66 to 72	30 to 34	17 to 18	6.6 to 7.4
Voltage stability	Source effect	%	0.8max.(0.5typ.)[Within the input voltage range]		
	Load effect	%	1max.(0.5typ.)[10 to 100% load]		
	Temperature effect	%	1.2max.(0.4typ.)[Ambient temperature:0 to +50°C]		
	Drift(Time effect)	%	0.5max.[25°C, input and output ratings, after input voltage ON for 30min to 8h]		
	Recovery	%/ms	±4max./1max.[50 to 100% sudden load change, tr, tf ≥ 5μs]		
Ripple E _{p-p}	mV	50max.	80max.	100max.	100max.
Ripple noise E _{p-p}	mV	75max.	110max.	170max.	290max.
Start up time	ms	150max.(90typ.)[Input and output ratings]			
Hold up time	ms	10min.(20typ.)[Input and output ratings]			
Auxiliary functions					
Indicator display		No			
Overvoltage protection		Voltage shut-down type, recovers upon reset(interval approx. 40s).			
Overcurrent protection		Rectangular type, automatic recovery.			
Remote ON-OFF		Yes(Floating)			
Remote sensing		Yes			
Standards					
Safety standards		—			
Noise terminal voltage		CISPR standard meet.			
Constructions					
External dimensions	mm	130×153×224[H×W×L]			
Weight	kg	3.8max.			
Mounting method		Can be attached to 4 sides.			
Case material		Aluminum(Phosphoric acid anodized surface)			

* Current rating(maximum output current) is determined for 0 to +50°C. Derating is required when used outside this temperature range.

Power Supplies

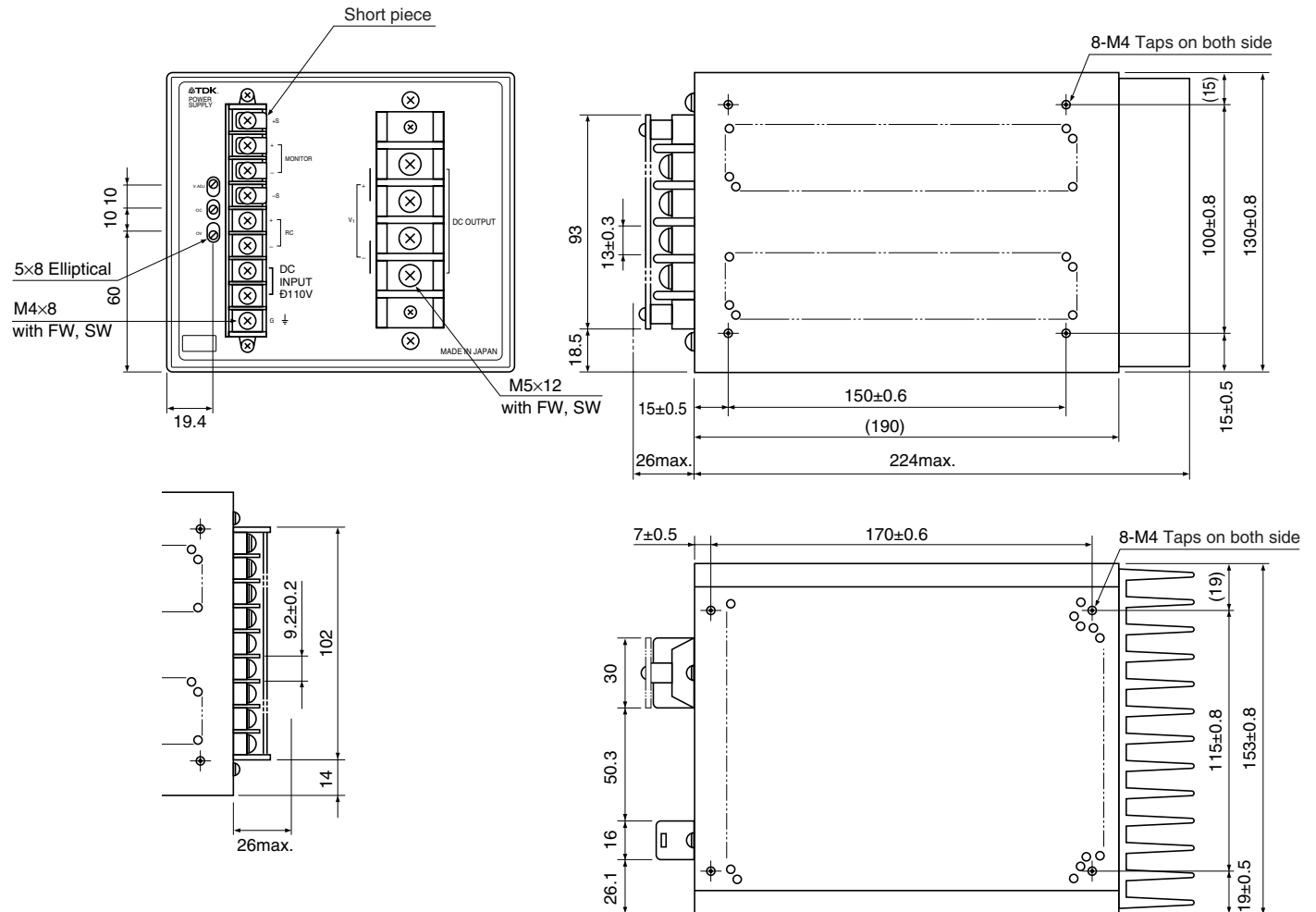
DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

DR-UGB300W TYPE

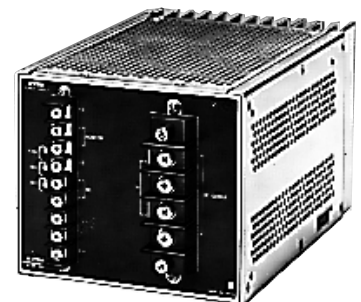
SHAPES AND DIMENSIONS



Dimensions in mm

±1mm : without specified dimensions

- Do not insert M4 tap installation screws more than 7mm from surface of power supply.
- Output terminals on 2 places. Connect both terminals when output current was over 40A.



Power Supplies

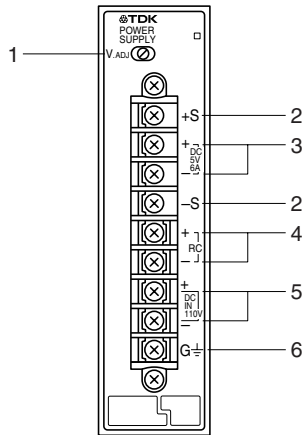
DC Input

Single Output, Long Life

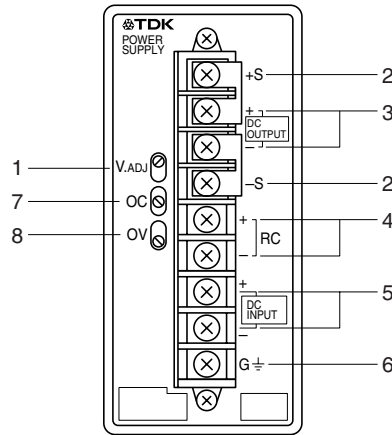
R Series DR-UGB(30 to 300W)

TERMINAL DESIGNATIONS AND FUNCTIONS

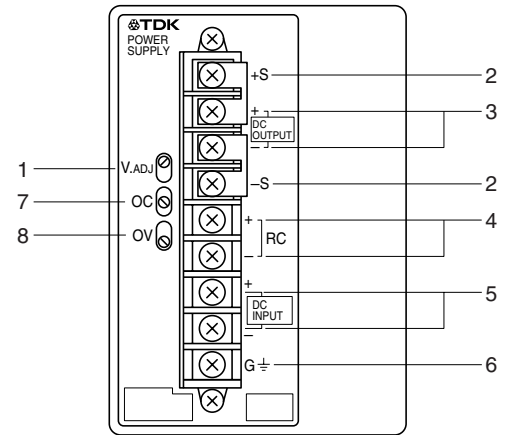
30W TYPE



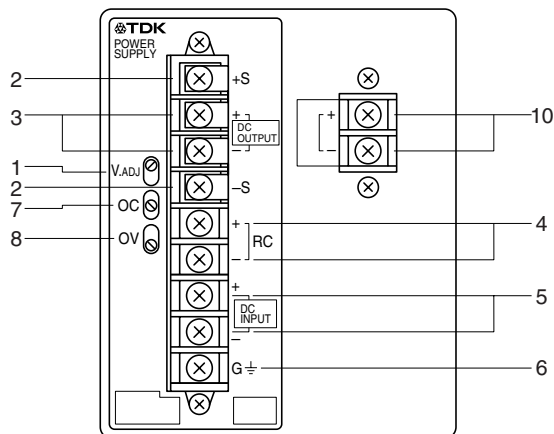
50, 75W TYPE



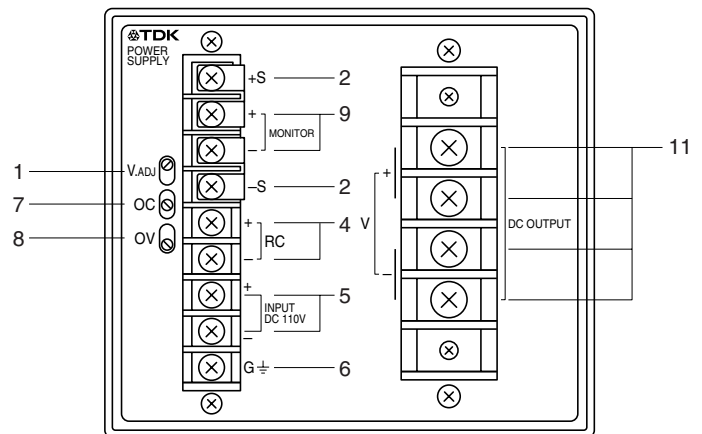
100W TYPE



150W TYPE



300W TYPE



Terminal No.	Designations and functions	
1	Output voltage adjustment trim(V.ADJ)	Adjusts output voltage.
2	Remote sensing terminals(+S, -S)	These terminals are used to compensate voltage loss from the output terminal to a load. Normally they are shorted with a metal bar.
3	DC output terminals(+, -)	Connect to load.
4	Remote ON-OFF terminals(+RC, -RC)	Output is turned ON-OFF by disconnecting-connecting the RC terminals(output ON when open). RC terminals are floating.
5	DC input terminals(INPUT DC.110V, +, -)	Connected to the DC.110V line.
6	Frame ground terminal(G)	Connect to earth ground. This is connected to the case.
7	Overcurrent value adjustment trimmer(OC)	Setting trimmer at delivery.
8	Overvoltage value adjustment trimmer(OV)	Setting trimmer at delivery.
9	Monitor terminals(MONITOR, +, -)	Monitor terminal for direct current. Do not connect a load line to this terminal. Unless the Remote Sensing is used, short with the Remote Sensing terminal.
10	Direct output terminals(DC OUTPUT, +, -) 150W Type	Connect a load line to this terminal. Allowable current per pin is 25A max. A use of two pins each is recommended.
11	Direct output terminals(DC OUTPUT, +, -) 300W Type	Connect a load line to this terminal. Allowable current per pin is 40A max. A use of two pins each is recommended.

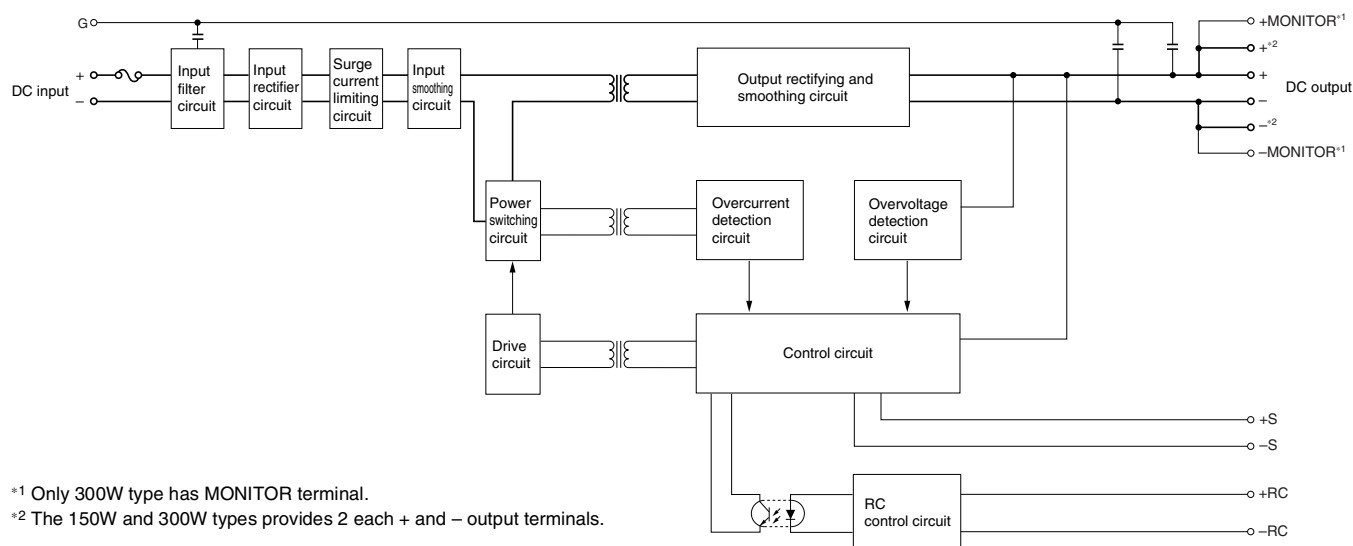
Power Supplies

DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

BLOCK DIAGRAM



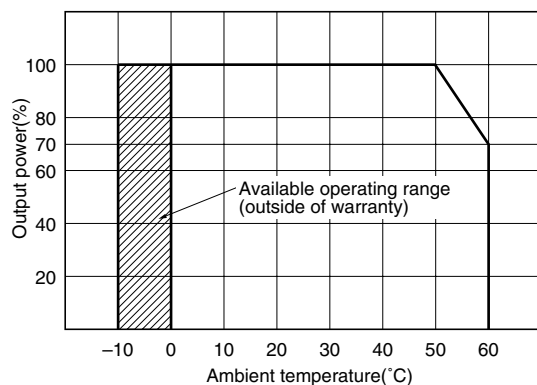
*1 Only 300W type has MONITOR terminal.

*2 The 150W and 300W types provides 2 each + and - output terminals.

COMMON SPECIFICATIONS

Temperature and humidity		
Temperature range	Operating(°C)	0 to +60[Derating is necessary when operating environment temperature exceed 50°C.]
	Storage(°C)	
Humidity range	Operating(%)RH	20 to 95[Maximum wet-bulb temperature: 35°C, without dewing]
	Storage(%)RH	
Vibration and shock		
Vibration	5 to 10Hz	All amplitude 10mm[3 directions, each 1h]
	10 to 55Hz	Acceleration 19.6m/s²(2G)[3 directions, each 1h]
Shock	Acceleration	196m/s²(20G)[3 directions, each 3 times]
	Pulse duration	11±5ms
Withstand voltage and insulation resistance		
Withstand voltage	Input terminal to case(G)	Eac: 2kV, 1min[Normal temperature, normal humidity, cutout current 10mA]
	Input terminal to output terminal	
Insulation resistance	Input terminal to case(G)	Edc: 500V, 100MΩ min. [Normal temperature, normal humidity]
	Input terminal to output terminal	
	Output terminal to case(G)	

OUTPUT POWER-AMBIENT TEMPERATURE(DERATINGS)



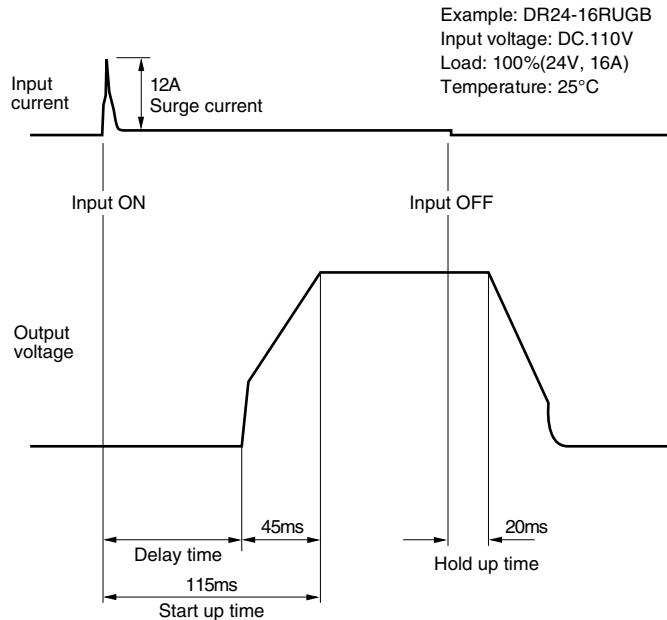
Power Supplies

DC Input

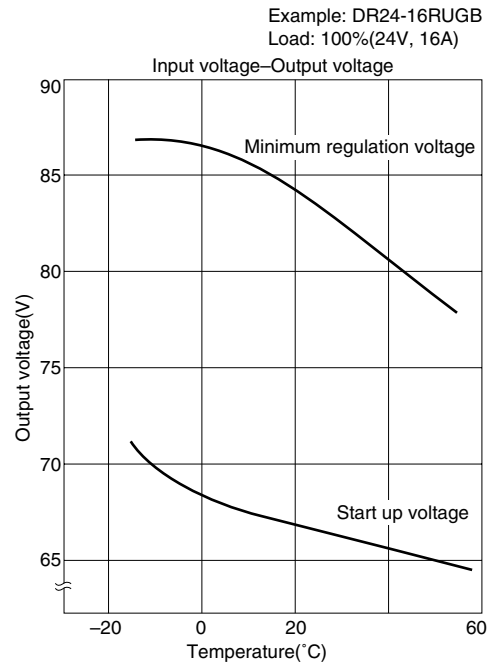
Single Output, Long Life

R Series DR-UGB(30 to 300W)

SURGE CURRENT, START UP/HOLD UP TIMES



START UP VOLTAGE AND MINIMUM REGULATION VOLTAGE



REMOTE ON-OFF

Power supply output voltage can be turned on/off by this terminal for a power supply sequence or the like.

Between +RC and -RC: Turned on upon setting to high level (2.4 to 24V) or being open.

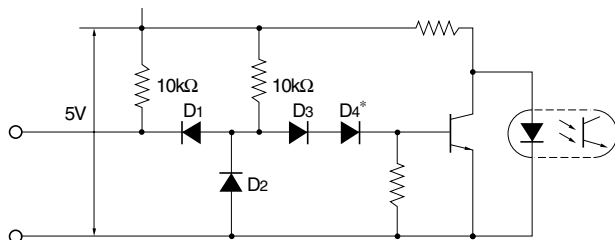
Between +RC and -RC: Turned off upon setting to low level (0 to 0.4V) or shorted.

The RC terminals are at a floating level to the AC input terminals and the DC output terminals.

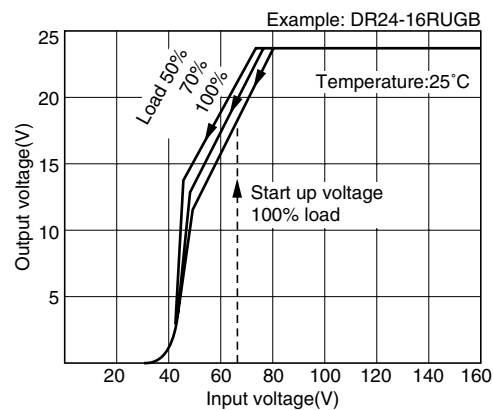
Keep the +RC terminal open when not in use since it is internally pulled up.

(Remote ON-OFF circuit)

(*D4 not connected for 30W type.)



START UP VOLTAGE AND MINIMUM REGULATION VOLTAGE



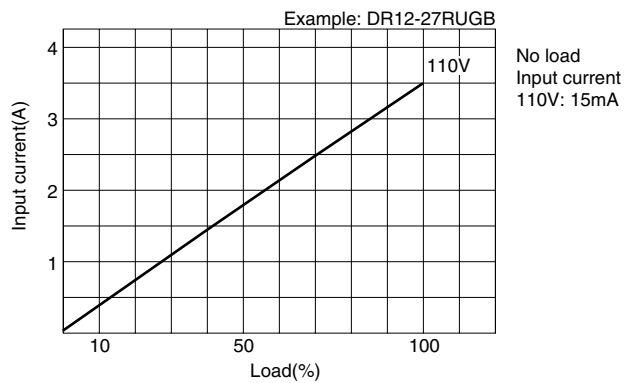
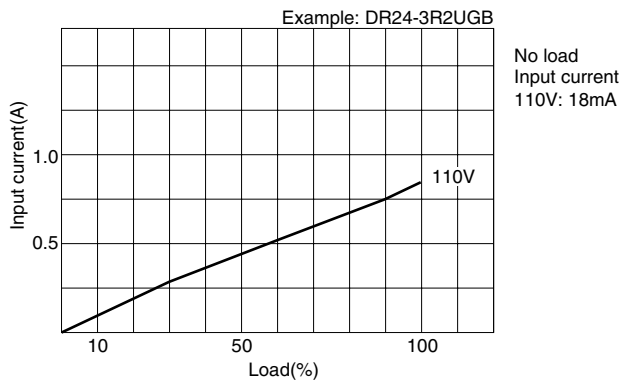
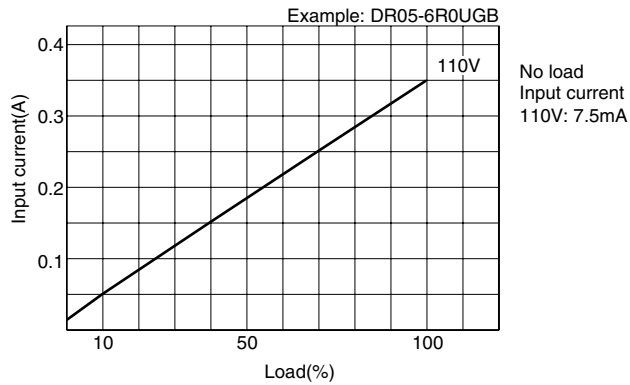
Power Supplies

DC Input

Single Output, Long Life

R Series DR-UGB(30 to 300W)

INPUT CURRENT



OTHER CONDITIONS

- Unless conditions are otherwise specified in the specifications or standards, 25°C and rated input-output should be applied.
- Ripple and noise (50MHz max.) were determined for 0 to +50°C temperature range and 10 to 100% load.