SPECIFICATIONS(1/2)

A238-01-01B

16 Ter 17 Ov. 18 Ov. 19 Ho 20 Ler 21 Rer 22 Rer 23 Mc 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Co. 31 Wi 32 Iso 33 Vit 34 Sho 35 Saf 36 Lin 37 Co.	ver Voltage Protection old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control onitoring Signal reallel Operation perating Temperature orage Humidity orage Temperature orage Humidity o	(*13) (*14) (*14) (*14)	- - - - - - - - - - - - - - - - - - -	Less than 0.75mA. 0.2 Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope 19.6m Approved by UL62368-1, EN60950-1 (Expi	an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep n/s ² Constant, X,Y,Z 1hou Less than 196.1m/s ²	t) (0°C:50%) (0) Exhaust ut: 3kVAC (20mA) (00VAC(100mA) for 1min 500VDC tt 25°C and 70%RH for 1min) ur each UL60950-1, CSA60950-1, (2/2020), EN50178 N C Line only) FCC-B, VCCI-B
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mc 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Coo 31 Wi 32 Iso 33 Vit 34 Sho 35 Saf	old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control onitoring Signal arallel Operation eries Operation perating Temperature perating Humidity orage Temperature orage Humidity olding eithstand Voltage oldation Resistance older (In package) effety	(*10) (*11) (*12)	- - - - - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope 19.6m Approved by UL62368-1, EN60950-1 (Expi	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Output Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output-CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a trating, 10 - 55Hz (Sweep n/s² Constant, X,Y,Z 1hou Less than 196.1m/s² CSA62368-1, EN62368-1, re date of 60950-1: 20/12 Designed to meet DENA1 meet SEMI-F47 (200VA	44mA(Typ) at 230VAC t) (0°C:50%) p) Exhaust ut: 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC tt 25°C and 70%RH for 1min) ur each UL60950-1, CSA60950-1, 2/2020), EN50178 N C Line only)
16 Ter 17 Ov 18 Ov 19 Ho 20 Le: 21 Rei 22 Rei 23 Mc 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Coo 31 Wi 32 Iso 33 Vit 34 Sho 35 Saf	old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control onitoring Signal reallel Operation ories Operation perating Temperature orage Humidity orage Temperature orage Humidity orage Humidity orage ithstand Voltage olation Resistance observation occk (In package) offety	(*10) (*11) (*12)	- - - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope 19.6m Approved by UL62368-1, EN60950-1 (Expi	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Output Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output -CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep n/s² Constant, X,Y,Z 1hou Less than 196.1m/s² CSA62368-1, EN62368-1, re date of 60950-1: 20/12 Designed to meet DENAN	44mA(Typ) at 230VAC t) 70°C:50%) p) Exhaust ut : 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC tt 25°C and 70%RH for 1min) ur each UL60950-1, CSA60950-1, 2/2020), EN50178 N
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit 34 Shot 24 Shot 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit 34 Shot 34 Shot 35 Ov 10 No 10	bold-up Time(Typ) cakage Current camote Sensing camote ON/OFF control conitoring Signal carallel Operation cries Operation cerating Temperature cerating Humidity corage Temperature corage Humidity coling ithstand Voltage colation Resistance color (In package)	(*10) (*11) (*12)	- - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope 19.6m Approved by UL62368-1, EN60950-1 (Expi	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Output Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output-CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep n/s² Constant, X,Y,Z 1hou Less than 196.1m/s² CSA62368-1, EN62368-1, re date of 60950-1: 20/12	44mA(Typ) at 230VAC t) 70°C:50%) p) Exhaust ut : 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC tt 25°C and 70%RH for 1min) ur each UL60950-1, CSA60950-1, 2/2020), EN50178
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit 34 Shot 24 Shot 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit 34 Shot 34 Shot 35 Ov 10 No 10	bold-up Time(Typ) cakage Current camote Sensing camote ON/OFF control conitoring Signal carallel Operation cries Operation cerating Temperature cerating Humidity corage Temperature corage Humidity coling ithstand Voltage colation Resistance color (In package)	(*10) (*11) (*12)	- - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope 19.6m Approved by UL62368-1,	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output-CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep n/s² Constant, X,Y,Z 1hou Less than 196.1m/s² CSA62368-1, EN62368-1,	44mA(Typ) at 230VAC t) (0°C:50%) p) Exhaust ut : 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC tt 25°C and 70%RH for 1min) ur each UL60950-1, CSA60950-1,
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit 34 Shot 24 Shot 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit 34 Shot 34 Shot 35 Ov 10 No 10	bold-up Time(Typ) cakage Current camote Sensing camote ON/OFF control conitoring Signal carallel Operation cries Operation cerating Temperature cerating Humidity corage Temperature corage Humidity coling ithstand Voltage colation Resistance color (In package)	(*10) (*11) (*12)	- - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output-CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep n/s² Constant, X,Y,Z 1hou Less than 196.1m/s²	44mA(Typ) at 230VAC (t) (0°C:50%) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mc 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Co 31 Wi 32 Iso 33 Vit	old-up Time(Typ) cakage Current canote Sensing canote ON/OFF control conitoring Signal carallel Operation carries Operation correcting Temperature corage Humidity corage Temperature corage Humidity coling cithstand Voltage colation Resistance	(*10) (*11)	- - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Output Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output-CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep n/s² Constant, X,Y,Z 1hou	44mA(Typ) at 230VAC t) (0°C:50%) b) Exhaust ut: 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC ut 25°C and 70%RH for 1min)
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Coo 31 Wi 32 Iso	bold-up Time(Typ) cakage Current canote Sensing canote ON/OFF control conitoring Signal carallel Operation cares Operation cerating Temperature cerating Humidity corage Temperature corage Humidity coling cithstand Voltage	(*10) (*11)	- - - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (More than 10MΩ (At no ope	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Output Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output-CNT: 10 an 100MΩ Output - FG: Output -CNT: 100VDC a crating, 10 - 55Hz (Sweep	44mA(Typ) at 230VAC t) (0°C:50%) b) Exhaust ut: 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC ut 25°C and 70%RH for 1min)
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Coo 31 Wi 32 Iso	bold-up Time(Typ) cakage Current canote Sensing canote ON/OFF control conitoring Signal carallel Operation cares Operation cerating Temperature cerating Humidity corage Temperature corage Humidity coling cithstand Voltage	(*10) (*11)	- - - - - - - - - - -	Forced Input - FG: 500VAC (More than 10MΩ (20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Output Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Output 100mA), Output - FG: Output -CNT: 100VDC a	44mA(Typ) at 230VAC t) 70°C:50%) p) Exhaust ut : 3kVAC (20mA) 00VAC(100mA) for 1min 500VDC tt 25°C and 70%RH
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Cor 31 Wi	old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control conitoring Signal erallel Operation eries Operation perating Temperature perating Humidity corage Temperature corage Humidity cooling eithstand Voltage	(*10) (*11)	- - - - - - - - - - -	Forced Input - FG: 2.5kV Output - FG: 500VAC (20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Outpu 100mA), Output-CNT: 10	44mA(Typ) at 230VAC (t) (0°C:50%) (b) (p) (Exhaust (ut : 3kVAC (20mA) (00VAC(100mA) for 1min
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Cor	bold-up Time(Typ) cakage Current emote Sensing emote ON/OFF control conitoring Signal carallel Operation cries Operation certaing Temperature corage Humidity corage Humidity cooling	(*10) (*11)	- - - - - - - - - -	Less than 0.75mA. 0.2 -10 - +70 Forced Input - FG: 2.5kV	20ms ImA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1, AC (20mA), Input - Outpu	44mA(Typ) at 230VAC t) (0°C:50%) b) Exhaust ut: 3kVAC (20mA)
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto 30 Cor	bold-up Time(Typ) cakage Current emote Sensing emote ON/OFF control conitoring Signal carallel Operation cries Operation certaing Temperature corage Humidity corage Humidity cooling	(*10) (*11)	- - - - - - - - - -	Less than 0.75mA. 0.2	20ms ImA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpur Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop Air By Blower Fan 80x1,	44mA(Typ) at 230VAC t) 70°C:50%) p) Exhaust
16 Ter 17 Ov. 18 Ov. 19 Ho 20 Ler 21 Rer 22 Rer 23 Mc 24 Par 25 Ser 26 Op 27 Op 28 Sto 29 Sto	catage Current catage Control conitoring Signal catallel Operation catage Operation catage Temperature catage Current catage C	(*10) (*11)	- - - - - - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C 10 - 95%RH (No dewdrop	44mA(Typ) at 230VAC t) 70°C:50%)
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op 28 Sto	bold-up Time(Typ) eakage Current emote Sensing emote ON/OFF control onitoring Signal erallel Operation eries Operation perating Temperature perating Humidity orage Temperature	(*10) (*11)	- - - - - - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop -30 - +85°C	44mA(Typ) at 230VAC t) 70°C:50%)
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea 21 Rer 22 Rer 23 Mo 24 Par 25 Ser 26 Op 27 Op	old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control onitoring Signal erallel Operation eries Operation operating Temperature operating Humidity	(*10) (*11)	- - - - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7 10 - 90%RH (No dewdrop	44mA(Typ) at 230VAC t)
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea 21 Rer 22 Rer 23 Mc 24 Par 25 Ser 26 Op	bld-up Time(Typ) cakage Current emote Sensing emote ON/OFF control conitoring Signal carallel Operation cries Operation correction operating Temperature	(*10) (*11)	- - - - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible °C (-10 - +50°C:100%,+7	44mA(Typ) at 230VAC t)
16 Ter 17 Ov 18 Ov 19 Ho 20 Ler 21 Rer 22 Rer 23 Mc 24 Par 25 Ser	old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control onitoring Signal erallel Operation eries Operation	(*10) (*11)	- - - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. Possible PF(Open Collector Outpu Possible (2 units Max) Possible	44mA(Typ) at 230VAC
16 Tei 17 Ov 18 Ov 19 Ho 20 Lei 21 Rei 22 Rei 23 Mc 24 Par	old-up Time(Typ) cakage Current emote Sensing emote ON/OFF control onitoring Signal urallel Operation	(*10)	- - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. - Possible PF(Open Collector Outpu Possible (2 units Max)	44mA(Typ) at 230VAC
16 Tei 17 Ov 18 Ov 19 Ho 20 Lei 21 Rei 22 Rei 23 Mo	old-up Time(Typ) cakage Current emote Sensing emote ON/OFF control onitoring Signal	(*10)	- - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. - Possible PF(Open Collector Outpu	44mA(Typ) at 230VAC
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea 21 Rei 22 Rei	old-up Time(Typ) eakage Current emote Sensing emote ON/OFF control	(*10)	- - -	Less than 0.75mA. 0.2	20ms mA(Typ) at 100VAC / 0. - Possible	44mA(Typ) at 230VAC
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea 21 Res	old-up Time(Typ) cakage Current emote Sensing	(*10)	-		20ms mA(Typ) at 100VAC / 0.	
16 Ter 17 Ov 18 Ov 19 Ho 20 Lea	old-up Time(Typ) eakage Current	(*10)	=.		20ms	
16 Ter 17 Ov 18 Ov 19 Ho	old-up Time(Typ)				20ms	
16 Ter 17 Ov 18 Ov	ver Voltage Protection	(*9)	V	21.0 - 32.4	41.4 - 48.6	55.2 - 64.8
16 Ter 17 Ov			V	27.6 - 32.4		550 (40
16 Tei		200VAC	Α	84.6-	56.6-	42.3-
-	ver Current Protection (*8)	100VAC	Α	41.3-	27.5-	20.4-
-	emperature Coefficient			Less than 0.02% / °C		
15 Ma	aximum Load Regulation	(*7)	mV	144	216	288
	aximum Line Regulation	(*6)	mV	96	144	192
	(*5)	-10 <u><</u> Ta<0°C		200	250	400
-	aximum Ripple & Noise	0≤Ta≤70°C	mV	150	200	350
	utput Voltage Range	. /	V	19.2 - 26.4	28.8 - 39.6	38.4 - 52.8
	ower Factor(100/200VAC)(Typ) (*2)	-	0.99/0.94		
	FHC	(1)	-	Designed to meet IEC61000-3-2		
—	1		-	20A at 100VAC, 40A at 200VAC		
—	put Voltage Range put Current(100/200VAC)(Typ		A	85 - 265 VAC (47 - 65Hz) of 120 - 550VDC 7.2/3.7		
7 Inp	Input Voltage Range (*3)		-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC		
	('2)	200VAC	%	87	87	87
6 Eff	ficiency (Typ.) (*2)	100VAC	%	84	84	84
J Pea	eak Output Power (*1)	100VAC 200VAC	W	972 1992	972 1998	960 1992
	verage Output Power	1007/40	W	600	601.2	600
4 Av	Ontard P	200VAC	A W	83	55.5	41.5
3 Pea	eak Output Current (*1)	100VAC	A	40.5	27	20
-	verage Output Current		A	25	16.7	12.5
	ominal Output Voltage		V	24	36	48
ITE	EMS			-24	-36	-48
		MODEL		HWS600P	HWS600P	HWS600P

SPECIFICATIONS(2/2)

A238-01-02

	MODEL	HWS600P	HWS600P	HWS600P
ITEMS		-24	-36	-48

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

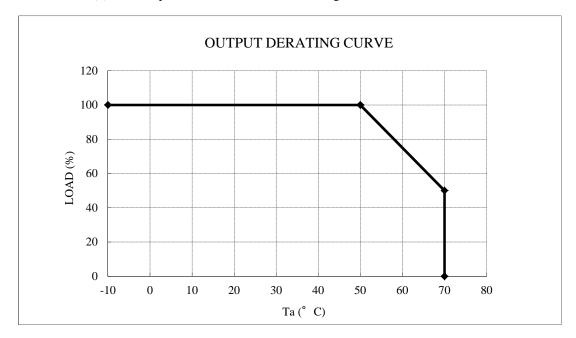
- *1. Operating time at peak output is less than 5sec, duty is less than 35%.
 - For details, refer to peak output condition.(A238-01-04_)
 - When the peak output more than 5 sec is continued, the output is shut down, manual reset (CNT reset or Re power on).
- *2. At 100/200VAC, Ta=25°C and average output power.
- *3. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 240VAC(50/60Hz).
- *4. First inrush current. Not applicable for the inrush current to Noise Filter for less than 0.2ms.
- *5. Measure with JEITA RC-9131A probe, Bandwidth of scope: 100MHz. At average output power.
- *6. 85 265VAC, constant load.
- *7. No load-Average load, constant input voltage.
- *8. OCP circuit will shut the output down, manual reset (CNT reset or Re power on).
- *9. OVP circuit will shut the output down, manual reset (CNT reset or Re power on).
- *10. At 100/200VAC, nominal output voltage and average output current.
- *11. Measured by the each measuring method of UL, CSA, EN and DENAN(at 60Hz), Ta=25°C.
- *12. Ratings Derating at standard mounting. Refer to output derating curve.(A238-01-03_)
 - Load (%) is percent of average output power or average output current, whichever is greater.
- *13. As for DENAN, designed to meet at 100VAC.
- *14. At Ta=25°C and average output power.

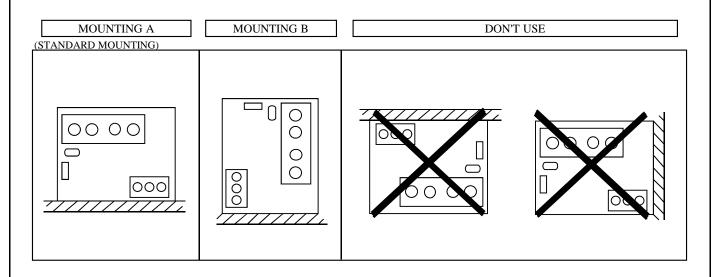
OUTPUT DERATING

A238-01-03

	LOAD(%)			
Ta(°C)	MOUNTING A	MOUNTING B		
-10 ~+50	100			
70	50			

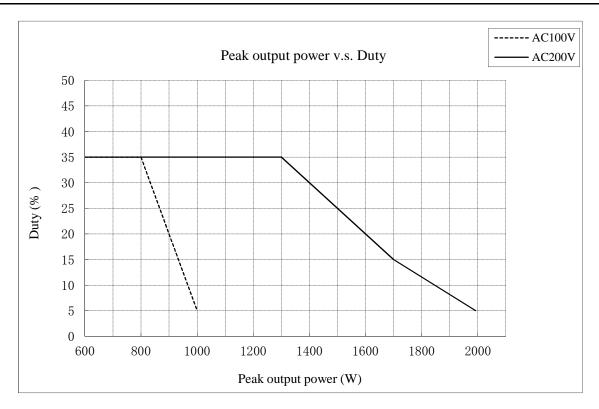
- (*) Load(%) is percent of average output power or average output current. For example, load 100% refers to following condition when output is 24V model. 24[V], 25[A]
- (*) Peak output current does not need derating.





PEAK OUTPUT CONDITION

A238-01-04



Peak output power

Use this product so that relationship among Duty, average output power (Wm) and peak output power (Wp) satisfy conditions defined by expression below.

This product must be used less than average output power of specification (Wavg).

Also operating duration at peak output power should be less than 5 sec.

