SPECIFICATIONS

PA607-01-01/L-C

	MODEL		LS200-3.3/L	LS200-5/L	LS200-7.5/L	LS200-12/L	LS200-15/L	LS200-24/L	LS200-36/L	LS200-48/L	
1	Nominal Output Voltage	V	3.3	5	7.5	12	15	24	36	48	
_	Maximum Output Current	A	40	40	26.7	16.7	13.4	8.4	5.6	4.2	
	Peak Output Current (115/230VAC) (* 12)	A	40	40	-	10.7	13.4	10.4	6.9		
_	Maximum Output Power	W	132	200	200.3	200.4	201	201.6	201.6	201.6	
	Max. Peak Output Pow(115/230VAC) (*12)	W	132	200	200.3	200.4	201	250	250	201.0	
	Efficiency (Typ.) (115/230VAC) (*1)	%	67 / 68	72 / 75	74 / 77	76 / 79	80 / 83	82 / 84	82 / 85	82 / 85	
	Input Voltage Range (*2)	/0	07708	85 ~ 264 VAC (47 ~ 63Hz) or 120 ~ 373 VDC					82 / 83		
,	input voltage Range (+2)	- 1		$85 \sim 264 \text{ VAC } (47 \sim 63 \text{Hz}) \text{ or } 120 \sim 373 \text{ VDC}$ (Withstand 300 VAC Surge for 5 seconds)							
8	Input Current (Typ.) (115/230VAC) (*1)	A			(** 1 till		/ 1.7	conds)			
	Inrush Current (Typ.) (*3)	-			60.4		a=25°C (Cold	Start)			
	Harmonic Current (230VAC) (*1)	-			Des	igned to meet	IEC61000-3-2	2			
	Power Factor (Typ) (115/230VAC) (*1)	-			Des	> 0.98		, -3			
	Output Voltage Range	V	3 ~ 3.6	4.75 ~ 5.5	6.8 ~ 8.2	10.8 ~ 14.4		22 ~ 28.8	32 ~ 40	42 ~ 57.6	
	Ripple & Noise (* 1, 4)		3 ~ 3.0 80	4.73 ~ 3.3 80	80	120	120	120	150	200	
	Line Regulation (* 5, 6)		16	20	20	48	60	96	144	192	
		-	50	50	50	96	120	192	288	384	
		IIIV	30	30	30	, ,		192	200	364	
	Temperature Coefficient Over Current Protection (*8)	-	Less than 0.02% °C 105% - (maximum output current) for $3.3V \sim 15V$ & $48V$ and 105% - (peak output current) for $24V \sim 36V$				437 2637				
	` /	A V	3.8 ~ 4.45	5.75 ~ 6.75	8.6 ~ 10.1		$17.25 \sim 20.25$			$60 \sim 72.5$	
	. ,	V	3.8 ~ 4.43	3.73 ~ 6.73	8.6 ~ 10.1			30.23 ~ 33.3	41.4 ~ 48.6	60 ~ 72.3	
	Over Temperature Protection (*9) Remote ON/OFF	-	Yes CN2: 3 ~ 12VDC POWER OFF, < 0 ~ 0.8VDC POWER ON								
_	Hold-up Time (Typ.) (115/230VAC) (*1)	-	·								
	Leakage Current (*10)	-	20ms < 1mA at 230VAC, 60Hz								
	Series Operation (* 10)	-					,				
	1	-	Possible								
	Operating Temperature (* 11)	-	- 25 ~ + 70 °C (Refer to Output Derating Curve)								
	Operating Humidity	20 ~ 90%RH (No Dewdrop) -40°C ~ +85°C									
	Storage Temperature	-	-40°C ~ +85°C 10 ~ 95%RH (No Dewdrop)								
_	Storage Humidity	-			4. C 1.	17					
	Cooling (* 11, 12)	-	Convection Cooling Or Forced Air (Exhale) With Airflow > 3 m/s								
29	Withstand Voltage	-	Input - Output : 3.0kVAC (20mA), Input - FG : 1.5kVAC (20mA).								
20	Industry Designation	-	Output - FG : 500VAC (100mA) for 1min.			/ DII					
30	Isolation Resistance Vibration	-	Input - FG, Input - Output and Output - FG: More than 100MΩ (500VDC) at 25°C and 70%RH				∕0KH				
31	Vioration	-	At no operating, 10 - 55Hz (sweep for 1min) 19.6m/s2 Constant, X, Y, Z 1hour each.								
32	Shock (In package)	-									
	Safety	-	11 277 (24 (2) 2) 2 (2) (2) (2) (2) (2)								
					• • • • • • • • • • • • • • • • • • • •	IEC60950-1	, CE, UKCA				
34	EMI	-	Designed to meet EN55011/EN55032-B, FCC-B								
	Immunity	-		Designed to meet EN61000-4-2 (Level 2,3), -3 (Level 3), -4 (Level 3),							
			-5 (Level 3,4), -6 (Level 3), -8 (Level 4), -11								
_	Weight (Typ.)	g					00				
	Warranty	-					rear ear				
38	Dimension (L x W x H)	mm			199 x	98 x 41 (Refer	to Outline Dra	awing)			

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

- = NOTES=
- * 1 : At Maximum Output Power, nominal input voltage, Ta=25°C.
- * 2 : For cases where conformance to various safety specs (UL, CSA, IEC) are required, to be described as $100 \sim 240 \text{VAC}$, 50 / 60 Hz on name plate.
- * 3: Not applicable for the in-rush current to Noise Filter for less than $0.2 \mathrm{ms}$.
- * 4 : Ripple & noise are measured at 20MHz by using a 300mm twisted pair of load wires terminated with a 0.1uF film capacitor and a 47uF electrolytic capacitor.
- * 5 : Measure line & load regulation at output terminal M3.5 tapped point.
- * 6: $85 \sim 264$ VAC, constant load.
- * 7 : No load \sim Full load (Maximum power), constant input voltage.
- * 8 : Constant current limiting with automatic recovery. Avoid to operate at overload and dead short for more than 30 seconds
- * 9 : OVP, OTP circuit will shutdown output, manual reset (Re-power on).
- * 10: Measured by each measuring method of UL and IEC (at 60Hz), Ta=25°C.
- ${\rm *~11:~Refer~to~Output~Derating~Curve~(PA607-01-02/L-_)~for~details~of~output~derating~versus~ambient~temperature.}$
- * 12: Refer to Output Derating Curve (PA607-01-03/L-_) for details of output derating versus input voltage.
- * 13: Operating period at peak output current is less than 10sec., duty < 0.35%
- * 14: All parameters NOT specifically mentioned are measured at 230VAC input, rated load and Ta= 25° C.

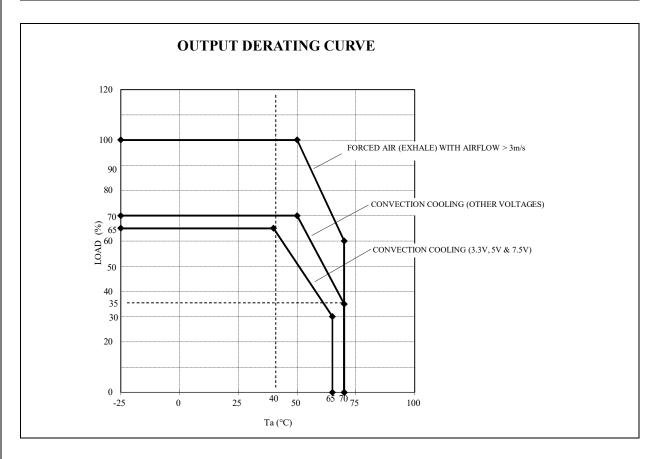
PA607-01-02/L

*COOLING: FORCED	AID	(EYHALE) with	AIRELOW > 3	m/c
"COOLING: FORCED	AIK	(EXHALE) WIIII	AIRFLUW > 3	m/s

	LOAD (%)	NOTE : CUSTOMER AIR FLOW SHOULD COOL DOWN ALL THE COMPONENT EVENLY, READ
Ta (°C)	MOUNTING A	INSTRUCTION MANUAL FOR DETAILS.
-25 ∼ 50	100	STANDARD MOUNTING (A)
70	60	

*COOLING: CONVECTION COOLING

	COOLING: CONVECTION COOLING						
Ta (°C)	LOAD (%)	STANDARD MOUNTING					
-25 ~ 40	65 (3.3V, 5V & 7.5V), 70 (OTHERS)	STANDARD MOUNTING (A)					
50	50.5 (3.3V, 5V & 7.5V), 70 (OTHERS)						
65	30 (3.3V, 5V & 7.5V), 44 (OTHERS)						
70	- (3.3V, 5V & 7.5V), 35 (OTHERS)	# 16 6 5 16 9 00 ··· · · · · · · · · · · · · · · ·					



PA607-01-03/L

	LOAD (%)	NOTE : CUSTOMER AIR FLOW SHOULD COOL DOWN ALL THE COMPONENT EVENLY, REAL
Ta (°C)	MOUNTING A	INSTRUCTION MANUAL FOR DETAILS.
85 ~ 264	100	STANDARD MOUNTING (A)
		# 10 0 0 P 10 0 0 0 m 11 11

*COOLING: CONVECTION COOLING

COOLING: CONVECTION COOLING					
Vin (VAC)	LOAD (%)	STANDARD MOUNTING			
85	65	STANDARD MOUNTING (A)			
115 ~ 264	65 (3.3V, 5V & 7.5V), 70 (OTHERS)				

