

# LWQ200 Specifications

NEMIC-LAMBDA

\*:For delivery, contact to our sales office.

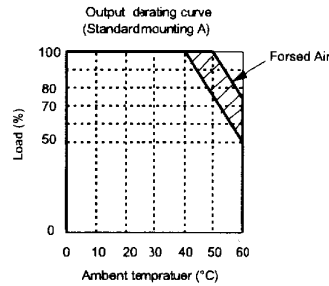
A109-01-013

ITEMS	MODEL	LWQ200-5225				LWQ200-5222				LWQ200-5224				LWQ200-5FF5				LWQ200-5FF2				LWQ200-5FF4				
		V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	
1	Nominal Output Voltage	V	5	-12	-12	5	5	+12	-12	12	5	+12	-12	24	5	+15	-15	5	5	+15	-15	12	5	+15	-15	24
2	Minimum Output Current	A	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	
3	Maximum Output Current	(*14) A	25	4	1	15	25	4	1	6	25	4	1	3	25	3.2	1	15	25	3.2	1	6	25	3.2	1	3
4	Maximum Output Power /CH	(*14) W	125	48	12	75	125	48	12	72	125	48	12	72	125	48	15	75	125	48	15	72	125	48	15	72
5	Maximum Output Power	(*14) W	200W																							
6	Efficiency (Typ)	(*1)	72%																							
7	Input Voltage Range	(*12)	85 ~ 132VAC / 170 ~ 265VAC (47 ~ 63Hz) Automatically switchable or 220 ~ 330VDC																							
8	Input Current (Typ)	(*1)	4.5A at 100VAC / 2.6A at 230VAC																							
9	In-rush Current(Typ)	(*2)	15A at 100VAC / 30A at 20VAC																							
10	Output Voltage Range	-	5V±5%	Fixed	Fixed	8V±5%	5V±5%	Fixed	Fixed	12V±5%	5V±5%	Fixed	Fixed	24V±5%	5V±5%	Fixed	Fixed	5V±5%	5V±5%	Fixed	Fixed	12V±5%	5V±5%	Fixed	Fixed	24V±5%
11	Maximum Ripple & Noise	(*11) mV	100	150	150	100	100	150	150	100	150	150	100	150	150	100	150	150	100	150	150	100	150	150	100	150
12	Maximum Line Regulation	(*3) mV	50	150	150	50	50	150	150	50	150	150	50	150	150	50	150	150	50	150	150	50	150	150	50	150
13	Maximum Load Regulation	(*4) mV	100	300	300	100	100	300	300	100	300	300	100	300	300	100	300	300	100	300	300	100	300	300	100	300
14	Maximum Temperature Drift	(*5) mV	100	240	240	100	100	240	240	100	240	240	100	240	240	100	240	240	100	240	240	100	240	240	100	240
15	Over Current Protection	(*6)	105% ~																							
16	Over Voltage Protection	(*7)	110 ~ 135% (V1 ~ V4)																							
17	Hold-up Time (Typ)	(*10) ms	20ms																							
18	Operating Temperature	(*9)	0 ~ +60°C																							
19	Operating Humidity	-	30 ~ 90%RH (No dewdrop)																							
20	Storage Temperature	-	-30 ~ +85°C																							
21	Storage Humidity	-	10 ~ 95%RH (No dewdrop)																							
22	Cooling	-	Convection Cooled																							
23	Withstand Voltage	(*8)	Input - Chassis : 2.5kVAC(20mA) for 1min., Input - Output : 3.75kVAC(20mA) for 1min., Output - Chassis : 500VAC(100mA) for 1min.																							
24	Isolation Resistance	(*8)	More than 100MΩ at 25°C and 70%RH, Output - Chassis : 500VDC																							
25	Vibration	-	10 ~ 55Hz Amplitude (sweep 1min) Less than 2G : X, Y, Z 1 hour each																							
26	Shock	-	Less than 20G																							
27	Safety	UL1950	Approved (UL)																							
		CSA950	Approved (C-UL)																							
		EN60950	Approved (TUV)																							
		DENTORI	Built to meet																							
28	Conducted Emission	-	Built to meet FCC-Class B, VCCI-Class B, VDE-Class B.																							
29	Weight	g	1600																							
30	Size (WxHxD)	mm	120 x 60 x 280 (Refer to Outline Drawing)																							
31	Remote ON / OFF Control	(*13)	Possible																							

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

=NOTES=

- At 100VAC/200VAC & maximum output power.
- When resuming operation in less than 5 sec after power failure, soft-start circuit will not limit the in-rush current at turn on
- From 85 ~ 132VAC / 170 ~ 265VAC or 220 ~ 330VDC, Constant load.
- From minimum load - maximum load, constant input voltage.
- From 0 ~ 50°C, constant input voltage and load.
- V1, V2, V3, V4 current limiting with automatic recovery. Avoid to operate over load or dead short for a long time. (Refer to instruction manual for details.)
- OVP circuit will shutdown all outputs, manual reset.
- Refer to instruction manual for testing procedure.
- Rating - Refer to Derating Curve on the right.
  - Load (%) is percent of maximum output power or maximum output current, whichever is greater.
  - Refer to instruction manual for further mounting details.
- At 100VAC/200VAC, nominal output voltage & maximum output power.
- To be measured by the probe with bayonet adaptor or equivalent. Band width of scope is 60MHz B. W.
- To be described as 100 - 120VAC, 200 - 240VAC, 50 / 60Hz on name plate.
- ON / OFF control is on connectors CN2 and CN3. CN2 - Short (ON), Oper (OFF) CN3 - 2V ~ 5V (ON), 0 ~ 0.8V (i



Ta (°C)	LOAD (%)			
	MOUNTING			
0 - 30	(A)	(B)	(C)	(D)
40	100	90	90	100
50	75	50	50	40
60	50	-	-	-

