

Specification			
No.	Items	Unit	Model : NLS3000-28
			Vo
1	Nominal Output Voltage	V	28
2	Maximum Output Current	A	107
3	Minimum Output Current	A	0
4	Max Output Power	W	3000
5	Efficiency(Typ) (*1)	%	80
6	Input Voltage & Frequency Range	-	180 ~ 264VAC, 47 ~ 63Hz
7	Input Current (max)	A	25.0
8	Inrush Current (typ) (*1)	A	30 @ Cold Start
9	Power Factor (typ) (*1)	-	0.99
10	PFHC	-	Built to meet EN61000-3-2
11	Output Voltage Adjust Range	V	25.2 ~ 30.8
12	Ripple/Noise (max) (*2)	% p-p	1
13	Line Regulation (max) (*3)	%	0.2
14	Load Regulation (max) (*4)	%	0.5
15	Temperature Coefficient (max) (*5)	% / °C	0.03
16	Over Current Protection (min) (*6)	%	> 105
17	Over Voltage Protection (*7)	V	33.6 ~ 36.4
18	Remote Sensing	-	Possible
19	Over Temperature Protection (*7)	-	Yes
20	Turn On Time (max) (*1,*8)	ms	1,000
21	Hold-up time (typ) (*1,*9)	ms	15
22	Remote ON/OFF (*10)	-	Yes
23	Remote Margin (*11)	%	± 5
24	Power Fail Signal (Loss Of AC) (*12)	-	Yes
25	Output Power Good (Loss Of DC Output) (*13)	-	Yes
26	Current Monitor (Output) (*14)	-	Yes
27	Current Share Balance (*15)	-	Yes (Refer to Option Table)
28	Operating Temperature,Humidity	°C,%RH	0 ~ +50, 10 ~ 90 (Non-condensing)
29	Storage Temperature,Humidity	°C,%RH	-30 ~ +85, 10 ~ 95 (Non-condensing)
30	Cooling	-	Internal Forced Air
31	Withstand Voltage	-	Input - Output ... 2121VDC 5sec. Input - Chassis ... 2121VDC 5sec.
32	Vibration	-	At no operation, 10 - 55Hz (Sweep for 1min) 14.7m/s ² constant, X, Y, Z 1hour each.
33	Shock (in package)	-	Less than 147.1m/s ²
34	EMI (Radiated & Conducted Emission)	-	Built to meet FCC Part 15, Level A EN55022, Level A
35	Safety Standard	-	UL60950-1, CSA60950-1 & EN60950-1
36	Weight	g	< 5330
37	Size (W x H x D)	inch	5 x 5 x 11.25 (Refer to outline drawing)
		mm	127 x 127 x 286 (Refer to outline drawing)
38	Warranty	-	1 year
Note :			
*1. At Vin = 230VAC, maximum output power (unless otherwise specified) & Ta=25°C .			
*2. Bandwidth of scope : 20MHz			
*3. From Vin = 180 ↔ 264Vac, constant load.			
*4. From 0% load ↔ 100% load, constant input voltage.			
*5. From Ta = 0 → 50°C, output will not change more than 1%.			
*6. Constant current limit with automatic recovery.			
*7. Output shut down & to be reset by AC re-cycle.			
*8. Measure from the time AC is turn on to output reach > 85%.			
*9. Measure from the time AC is turn off to output reach < 85%.			
*10. Less than 0.5V will inhibit the supply. 2V or more or open will enable the supply. Logic Return should be connected to negative output. TTL low is disable & high is enable.			
*11. Allows 5% change in output. Connecting the margin pin to the positive side of output provides +5% change in output. Connecting the margin pin to the negative side of output provides -5%change in output.			
*12. Upon loss of AC line,signal goes from high to low, 5ms before output falls to 85%. TTL Low is Fault & High is OK.			
*13. Provides output logic high signal when DC output is present. When the DC output is not present, the output will drop to logic ground. TTL Low is Fault & High is OK.			
*14. The current monitor signal is referenced to the negative output. It is accurate to within ±10% of full load,from 10 to 100% load. The analog signal 0V to 5V is proportional to the load when increased from no load to maximum load.			
*15. Allows 2 or more similar power supply main outputs to load share. Using a single wire when outputs are set within 0.2% of each other and voltage drop on the negative lead matched to within 10%.			
Option Table :			
Option	Or'ing Diode	Current Share Balance	Cover With Special Mounting Hole
Standard	N/A	N/A	N/A
/D	Yes	N/A	N/A
/P	N/A	Yes (Refer to Application Notes)	N/A
/C	N/A	N/A	Yes (Refer to Outline Drawing)