

## 12VDC Nina Computer Power Supply

### Specifications

**Input Voltage:**

DC Input: 9.2~16V

**Characteristics:**

DC Output Voltage: 12V

MTBF (H): 470,000

Output Rated Current: 9A

Switching Frequency: 91kHz Fix.

Ripple &amp; Noise: 170mVp-p

Line Regulation (max): 96mV

Load Regulation (max): 108mV

Rise Up Time: 500mS (max) @25°C

Efficiency: 81%

DC Voltage Adj.: +/- 10% (at no load)

Input Current: 11.11A (Typ.)

Drift: 75mV (Max)

Recovery Time: 0.5mS

Temp. Coefficient: +/- 0.03%/C (25°C)

Setup / Rise time: 500mS (max) @ 25°C

Dynamic Load Regulation: 360mV (charged Between 20% and 75%of rated output current)

Isolation Resistance: P-S-FG 50mOhms(Min) by DC500V Insulation Tester

PS AC1, 500V for 1min

Withstanding Voltage: PF AC1, 500V for 1min  
SFG AC1, 500V for 1min**Environmental:**

\*Operating Temp: 0°C to +50°C

Storage Temp: -20°C to +85°C

Operating Humidity: 85% (Non-Condensing)

Storage Humidity: 10% to 95% (Non-Condensing)

Shock: 294m/s<sup>2</sup>

5-10Hz:10mm double amplitude,

Vibration (Non Operating): 10-55Hz:19.6m/s<sup>2</sup> 20Min, for 60  
Min, each x, y and z.*\*We DO NOT recommend routine operation @ extreme temperatures.*

### Mechanical Description

**Construction:**

Housing: Preformed Aluminium

Ventilation: Perforated Ventilated Case

**Mounting Style:**Surface: 4 bolt bracket, horizontally,  
vertically or inverted**Dimensions:**

3.0"W x 3 29/32"H x 8.16"D

Power Supply: 76.2mm W x 99.26mm H x  
207.39mm D**Weight:**

Weight (kg): 1.75 lbs (0.79) kg

### Approvals / Warranty

**Compliance:** CE; CISPR22 / EN 550222

FCC Part 15 Section 15.109

**Limited Warranty:** 1 Year

### Ordering Codes

**Configuration:**

Part Number 00-0306

**Compatible Nauticomp PC's:**

Nina CelX 40-6666, 40-6667

Nina PenX 40-7777, 40-7778

Nina PenX Plus 40-7779

**Shipping:**Carton Size (cm): 10" (25) W x 4" (10) H x  
8" (20) D

Weight (kg): 6.0 lbs (2.7)

Canadian  
Headquarters: **Nauticomp Inc.**  
8 Callaghan Road  
Lindsay, Ontario,  
Canada, K9V 4R4.  
p: +1 705-328-2992  
f: +1 705-328-2990

United Kingdom: **Nauticomp European Distribution**  
CA Clase  
2 Mornington Place, Waterberry Drive,  
Waterlooville, Hants, PO7 7XX  
p: +44 2392 247920  
f: +44 2392 261959

United States: **Nauticomp International**  
1200 NE 7th Avenue  
Fort Lauderdale, Florida  
United States 33304.  
p: +1 954 235 4875  
f: +1 705-328-2990

URL: [www.nauticomp.com](http://www.nauticomp.com) E-Mail: [sales@nauticomp.com](mailto:sales@nauticomp.com)

Due to a policy of continuous product development NAUTICOMP reserves the right to change specifications and descriptions without prior notification. All trade marks acknowledged.

