



## **PP2100DC- The online UPS for high availability at a reasonable cost.**

The PP2100DC is a low cost, high performance, true online UPS (Uninterruptible Power Supply). It provides a unique power backup solution not being offered by any other UPS provider. It is especially suited for providing long duration back up support with minimum energy loss and true online capability for PCs and servers. This design produces a buffer (or cushion) between the machines running off the UPS and the mains supply. The mains always charges the batteries and does so even if the voltage is very low. The UPS output is always from the batteries and so there is no direct connection between the mains and the machines running off the UPS. This stops all spikes, surges, brownouts and of course blackouts from affecting your equipment.

### **Specifications:**

Input: 190 to 240 VAC (built in AVR)  
Load: 5 Amperes (10 PCs with LCD monitors or 20 CPUs without monitors \*)  
Backup time: 1+ hour on full load  
UPS mode: True online  
Switching time: 0ms  
Cold start capability: Yes.  
Batteries: 24 \* 12Volt,7AH Sealed Lead-Acid Maintenance Free Batteries  
Dimensions: 24" \* 36" \* 6" wall mount unit (batteries inside the unit)  
Efficiency: 97% (negligible power losses)

### **PP2100DC Features:**

**Output:** PP2100DC provides a pure DC output, ideal for running all Switching mode load like PCs, LCD monitors, Saver lights and Electronic Tubelights. PP2100DC **cannot** run CRT monitors, Choked tubelights or fans.

**Efficiency:** energy loss is less than 3% (typical value for competitor products is 10% to 35%). The PP2100DC delivers almost all the energy drawn from the battery to the output with minimal heat loss.

**AVR:** The automatic voltage regulator is integrated into the design. Note that no relays used.

**Cold start capability:** New appliances can be turned on without affecting machines that are already running.

**Short circuit protection.** A fuse will cut connections in case of short circuits.

### **Target scenario :**

Server room. Computer Lab. Software House. Banks. Backup for the time taken to power up a generator.

\* PCs are assumed to consume 0.25 Amps each, this is normal for P4 machines. 14 inch LCD monitors usually consume 0.20 Amperes each.