

# HVC2K SERIES

AC / DC High Voltage: 2000 Watts



## Specifications:

|                                  |   |
|----------------------------------|---|
| <b>Input Voltage</b>             | 115 / 230VAC ( Link Selectable )  |
| <b>Frequency</b>                 | 47 – 63Hz   |
| <b>Efficiency</b>                | Typically 85% at full load  |
| <b>Input Protection</b>          | Thermal fuse<br>Inrush current limiting   |
| <b>Output Voltage</b>            | Any voltage 85 – 300VDC   |
| <b>Isolation</b>                 | Input – Output: 4300vdc<br>Input – Chassis: 2250vdc<br>Output – Chassis: 500vdc     |
| <b>EMI</b>                       | Designed to EN55022 Class A   |
| <b>Line Regulation</b>           | ±1% over input range  |
| <b>Load Regulation</b>           | ±1% 10% to 100% load  |
| <b>Over Voltage Protection</b>   | Double regulator loop   |
| <b>Overload Protection</b>       | Current limiting with short circuit protection, auto recovery                       |
| <b>Thermal Protection</b>        | Self-resetting thermostat   |
| <b>Output Ripple &amp; Noise</b> | 1% of output voltage pk-pk<br>or 0.2% RMS   |
| <b>Hold Up Time</b>              | Minimum 10ms at full load for 20% drop of output voltage                            |
| <b>Operating Temp.</b>           | 0°C to +50°C at rated power. Consult our office for extended operating temperature. |
| <b>Temperature Drift.</b>        | 0.03% per °C over operating temperature range.                                      |
| <b>Cooling</b>                   | Build-in fan  |
| <b>Connectors</b>                | Phoenix terminal block.<br>Other options on request.                                |
| <b>MTBF</b>                      | 100,000 hrs   |
| <b>Dimensions</b>                | 394 x 191 x 135mm   |
| <b>Weight</b>                    | 4kg   |
| <b>Options</b>                   | Isolation diode for <b>n+1 redundancy</b>   |
| <b>Alarm</b>                     | Output DC Fail Alarm: Optional  |

## Features

- One to three regulated outputs available
- 2000W output power
- Full electronic protection
- Thermal protection
- **N+1 Redundancy option**
- Customer specified output voltage options from 80-300vdc
- Fully isolated input – output: 4300vdc
- Any voltage from 85 – 300vdc is available

| Model     | Output |      | Power<br>W |
|-----------|--------|------|------------|
|           | V      | A    |            |
| HVC2K-85  | 85V    | 23A  | 2000W      |
| HVC2K-125 | 125V   | 16A  | 2000W      |
| HVC2K-136 | 136V   | 15A  | 2000W      |
| HVC2K-250 | 250V   | 8A   | 2000W      |
| HVC2K-270 | 270V   | 7A   | 2000W      |
| HVC2K-300 | 300V   | 6.6A | 2000W      |