

### Features

- Light weight and compact size
- Adjustable Over Voltage Protection
- 10 turn voltage / current control
- Remote programming, sensing, monitoring and on/off
- Constant Voltage or Constant Current Operation
- Full Short Circuit Protection



### Specifications

| Model                              | TPS - 0-36V/0-50A   |
|------------------------------------|---|
| <b>INPUT VOLTAGE</b>               |   |
| 115 or 230 VAC                     | ±10%, 1 $\phi$ 50/60/400Hz  |
| <b>LOAD REGULATION</b>             |   |
| Voltage Mode                       | ±0.01% ±5mV   |
| Current Mode                       | ±0.01% +20mV  |
| <b>LINE REGULATION</b>             |   |
| Voltage Mode                       | ±0.01%±5mV  |
| Current Mode                       | ±0.01% +15mA  |
| <b>RIPPLE &amp; NOISE</b>          |   |
| Voltage Mode                       | 0.03% Vmax<br>+15mV rms/75mV P-P  |
| Current Mode                       | 0.03% Imax<br>+20mA RMS   |
| <b>OUTPUT MONITORING</b>           |   |
| Voltage                            | 0-10V   |
| Current                            | 0-5V  |
| <b>ENVIRONMENTAL CONDITIONS</b>    |   |
| Operating Temperature              | -20°C to +70°C  |
| Derate Output Current              | 1% / °C from 30°C to 70°C   |
| LCD Operation                      | Up to 55°C  |
| <b>INSULATION</b>                  |   |
| Input / Output / Chassis           | 20M $\Omega$ /500V  |
| <b>ISOLATION</b>                   |   |
| Input / Output and Input / Chassis | 2500V (1min)  |
| Output / Chassis                   | 500V (1min)   |
| <b>SAFETY AGENCY COMPLIANCE</b>    |   |
|                                    | Designed to Comply with IEC 348, VDE 0411, UL 1244 and RFI<br>Suppression VDE 0871 and FCC class B. |
| RECOVERY TIME                      | ≤200 $\mu$ S  |
| TEMPERATURE COEFFICIENT            | 0.03% per °C  |
| DISPLAY ACCURACY                   | Digital, 3 1/2 Digits for Voltage and Current   |
| REMOTE SENSING                     | 2V max per Load Lead<br>4V Available - Consult Factory  |
| REMOTE ON/OFF                      | Floating Negative or Positive Login   |
| ANALOG PROGRAMMING                 | Voltage, Current and OVP by Signal 0-10V and / or Resistance  |
| <b>DIMENSIONS</b>                  |   |
| W x H x D (mm)                     | 216 x 124 x 445   |
| ACCESSORIES                        | Operation Manual X 1  |
| Options                            | Contact Horizon for Custom Options  |