# DC/DC Converters High Power

www.powersolve.co.uk

## TSC 19" Series, 5kW–22kW

- 19¨-Subracks
- Robust mechanical Design for Industrial Applications
- Also with AC-Input 115/230 VAC or 400/480 VAC 3P available
- Standard Models with Output Voltages up to 800 VDC
- EMI complies with EN 55022, Class A
- Available with many Standard Options

| | |
|---|---|
| Line regulation: | ±0.1% max. |
| Load regulation: | ±0.2% max. |
| Ripple & Noise: | 0.5% Vmrs |
| Cunducted EMI: | EN 55022-A |
| Noise Immunity: | EN 50082 |
| Short circuit protection: | continuous, automatic recovery |
| Overvoltage protection: | 105% of Vout |
| Efficiency: | 90% typ. |
| Operating temperature range: | –10°C ... +50°C |
| I/O isolation voltage: | 2100 VDC (Vin < 60 VDC) |
| | 3500 VDC (Vin > 60 VDC & VAC input models) |
| Safety standards: | IEC/EN 60950 |

### Models

| Input voltage range | Output power | Output voltage range |
|---|---|---|
| 10 – 16 VDC<br>18 – 36 VDC<br>36 – 75 VDC<br>80 – 160 VDC<br>160 – 320 VDC<br>320 – 640 VDC<br>450 – 800 VDC | Models with 5kW – 22kW available | 4.5 – 5.5 VDC<br>8 – 10 VDC<br>11 – 13 VDC<br>14 – 16 VDC<br>23 – 26 VDC<br>26 – 30 VDC<br>45 – 55 VDC<br>58 – 68 VDC<br>100 – 130 VDC<br>200 – 250 VDC<br>380 – 400 VDC<br>570 – 600 VDC<br>760 – 800 VDC |

Options:
- Input voltage: 115/230 VA\C, single phase or 200/400/480 VAC, three phase
- Input polarity protection
- Output decoupling diode for redundant / parallel operation
- Active current sharing for parallel operation
- Remote On/Off (inhibit)
- Output programmable via analogue signal
- Monitoring of input an output voltage
- RS232 or IEEE488 interface
- Wall mounting
- Increased mechanical strength
- Automatic/manual setting of output characteristic
- Temperature compensated battery charging voltage
- Digital Volt- and Ampere meter
- Tropical protection

### Dimensions

| Power [Watts] | Width [mm] | Depth [mm] | Height [mm] |
|---|---|---|---|
| 5/7.5/10 | 19¨ | 600 | 178 (4U) |
| 6/8/12 | 19¨ | 360/460* | 267/400 (6/9U) |
| 22 | 19¨ | 600 | 356 (8U) |

* depending on output current

Powersolve Electronics Ltd. 8A, Arnhem Road, Newbury, RG14 5RU. England
Tel:01635 521858 Fax: 01635 523771 Email: sales@powersolve.co.uk