

**KRITSNAM TECHNOLOGIES**  
SMPS Manufacturer

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| <b>Technical Data</b>                     | KR3P-1000-42   |
| <b>Input Data</b>                         |  |
| <b>AC-Input Voltage</b>                   | AC 360-500V  |
| <b>DC-Input Voltage</b>                   | DC 540-710V  |
| <b>EN61000-3-2(PFC-Norm)</b>              | Not-fulfilled  |
| <b>Harmonic Correction</b>                | passive  |
| <b>Power Factor</b>                       | 0.52   |
| <b>Peak turn on current</b>               | 30A  |
| <b>External Input Fuse Recommendation</b> | min. -6A   |
| <b>Output Data</b>                        |  |
| <b>nominal Voltage</b>                    | 42Vdc  |
| <b>Adjustment Range</b>                   | 40-44V   |
| <b>Output Current Range</b>               | 24-22.72A  |
| <b>Output Current</b>                     | 24A at 42V<br>22.72A at 44V                                  |
| <b>Output Power</b>                       | 1000W  |
| <b>Max. Ripple</b>                        | 360mVpp  |
| <b>Max Peak output current</b>            | 150% (capacitive load) for 300ms                             |
| <b>Overview</b>                           |  |
| <b>Size (LxWxH)</b>                       | 310mm x 165mm x 80mm   |
| <b>Operat. Temperature Range</b>          | +55°C  |
| <b>Efficiency, typ.</b>                   | 84-88%   |
| <b>Power Losses, typ.</b>                 | 150W TYP.  |
| <b>Protections</b>                        | -Short circuit-retry every 1.5sec<br>-Input Transient 680VAC |

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