

# DPR 3000E EnergE

## Single Phase Rectifier



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Delta's technology leading telecom rectifier DPR 3000E EnergE provides the industrial leading efficiency of 98.0%. The single phase, hot pluggable fan cooled rectifier provides the 56.8W/in<sup>3</sup> outstanding power density. Integrated with the high efficiency rectifier DPR 3000E EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



# DPR 3000E EnergE



KOAI09-ZL

## INPUT

|                           |  |
|---------------------------|--|
| Voltage (nominal)         | 230V <sub>AC</sub>                                       |
| Voltage (range)           | 80 - 300V <sub>AC</sub> ; De-rating ≤ 184V <sub>AC</sub> |
| Frequency                 | 45 - 66Hz  |
| Power Factor              | > 0.99   |
| Total Harmonic Distortion | < 5%   |
| Lightening Protection     | EN 61000-4-5   |

## OUTPUT

|                               |                           |
|-------------------------------|---------------------------|
| Voltage (default)             | -54.0V <sub>DC</sub>      |
| Voltage (adjustable range)    | -43 to -58V <sub>DC</sub> |
| Maximum Output Current        | 63.5A                     |
| Maximum Power @ nominal Input | 3050W                     |
| Power Density                 | 56.8W/in <sup>3</sup>     |
| Peak Efficiency               | 98.0%                     |
| Load Regulation               | ≤ ± 250mV                 |
| Ripple                        | ≤ 200mV @ above 20% load  |
| Current Sharing               | ≤ ± 5%                    |
| Lightening Protection         | EN 61000-4-5              |

## USER INTERFACE

|                     |                             |        |                      |
|---------------------|-----------------------------|--------|----------------------|
| Alarm and Signaling | CANbus to System Controller |        |                      |
| Indications         | OK                          | Green  | Normal Operation     |
|                     | NL                          | Yellow | Output current < 5%  |
|                     | COM                         | Green  | Communication Status |

## MECHANICAL

|                        |   |
|------------------------|---|
| Dimensions (W x H x D) | 84 x 41 x 265mm (3.30 x 1.61 x 10.43in) |
| Weight                 | 1.4kg (3.08lb)                          |

## ENVIRONMENTAL

|                       |   |
|-----------------------|---|
| Operating Temperature | -40 to +75 °C (40 to +167 °F); De-rating above 55°C (+132 °F) |
| Storage Temperature   | -25 to +75 °C (-13 to +167 °F)                                |
| Altitude              | 0 to +4000m   |
| Related Humidity      | 0 – 95 % RH non-condensing                                    |
| Acoustic Noise        | ≤ 50dBA   |

## STANDARDS

|             |   |
|-------------|---|
| Safety      | Passes CE, UL cUL;<br>Catch the CB certificate;<br>Complies with IEC/EN/UL60950-1 |
| EMC         | EN 55022 AC Class B and DC output Class A<br>EN 300 386                           |
| Environment | RoHS  |
| MTBF        | 500k hours @ 25 °C (+77 °F)   |

## ORDERING INFORMATION

|                   |                              |
|-------------------|------------------------------|
| TPS1010027A-PML-S | 3000W Single Phase Rectifier |
|-------------------|------------------------------|

\* All specifications are subject to change without prior notice.