

DPR 850B EnergE

Single Phase Rectifier



Delta's technology leading telecom rectifier DPR 850B EnergE provides the industrial leading efficiency of 95.2%. The single phase, hot pluggable fan cooled rectifier provides the 29.75W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 850B EnergE, Delta power solution provides an energy saving solution for network base stations, wireless applications, fixed line applications and data communications.



DPR 850B EnergyE



GOAQEI-08-ZL

INPUT

| | |
|---------------------------|--|
| Voltage (nominal) | 230V _{AC} |
| Voltage (range) | 90 - 300V _{AC} ; De-rating ≤ 184V _{AC} |
| Frequency | 45 - 66Hz |
| Power Factor | > 0.99 |
| Total Harmonic Distortion | ≤ 5% |
| Lightening Protection | EN 61000-4-5 |

OUTPUT

| | |
|-------------------------------|---------------------------|
| Voltage (default) | -53.5V _{DC} |
| Voltage (adjustable range) | -42 to -58V _{DC} |
| Output Current | 15.8A @ default voltage |
| Maximum Power @ nominal Input | 850W |
| Power Density | 29.75W/in ³ |
| Peak Efficiency | 95.2% |
| Load Regulation | ≤ ± 250mV |
| Ripple | ≤ 100mV |
| Current Sharing | ≤ ± 5% |

USER INTERFACE

| | | | |
|---------------------|-----------------------------|-----------|--------------------------------------|
| Alarm and Signaling | CANbus to System Controller | | |
| Indications | OK | Green/Red | Normal Operation/Rectifier Shut Down |
| | COM | Green | Communication Status |
| | LD | Yellow | Load Status |
| | STA | Red | OVP ; OTP ; Fan Failure |

MECHANICAL

| | |
|------------------------|--|
| Dimensions (W x H x D) | 51.8 x 40.0 x 247.2mm (3.22 x 1.57 x 9.73in) |
| Weight | 0.6kg (1.32lb) |

ENVIRONMENTAL

| | |
|-----------------------|---|
| Operating Temperature | -40 to +75 °C (-40 to +167 °F) ; De-rating above 45°C (+113 °F) |
| Storage Temperature | -40 to +80 °C (-40 to +176 °F) |
| Altitude | 0 to +4000m |
| Related Humidity | 0 – 95 % RH non-condensing |
| Acoustic Noise | ≤ 50dBA |

STANDARDS

| | |
|-------------|---------------------------------------|
| Safety | EN 60950; UL, cUL, TUV; CE Compliance |
| EMC | EN 300 386; EN 55022; CISPR 22 |
| Environment | RoHS |
| MTBF | 1,000k hrs @ 25 °C (+77 °F) |

* All specifications are subject to change without prior notice.