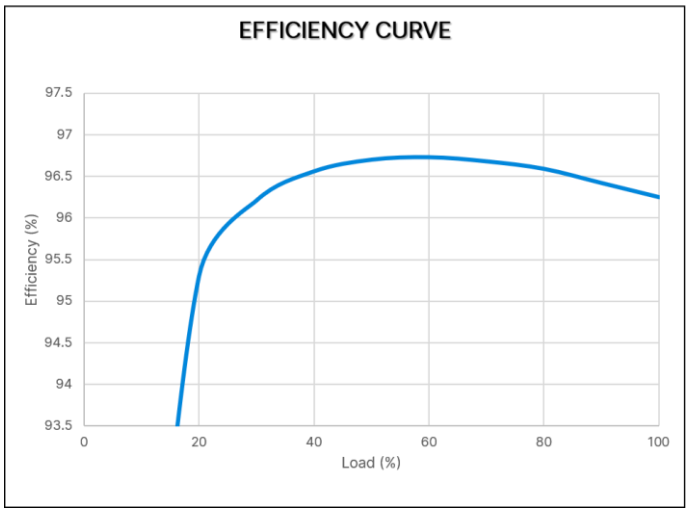
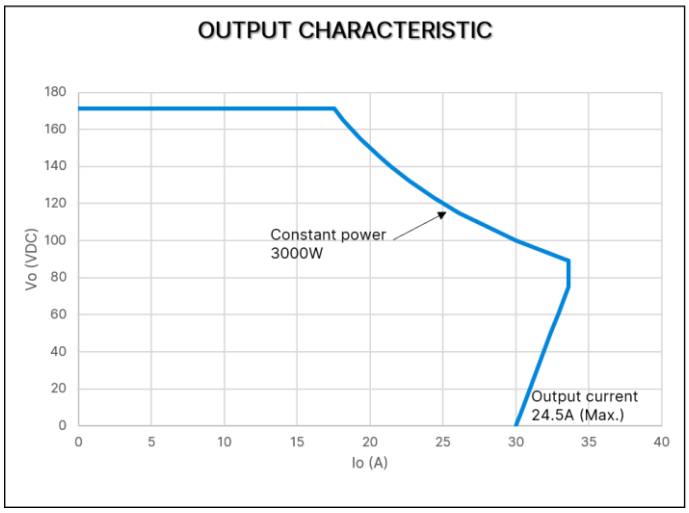
DPR 3000B-110

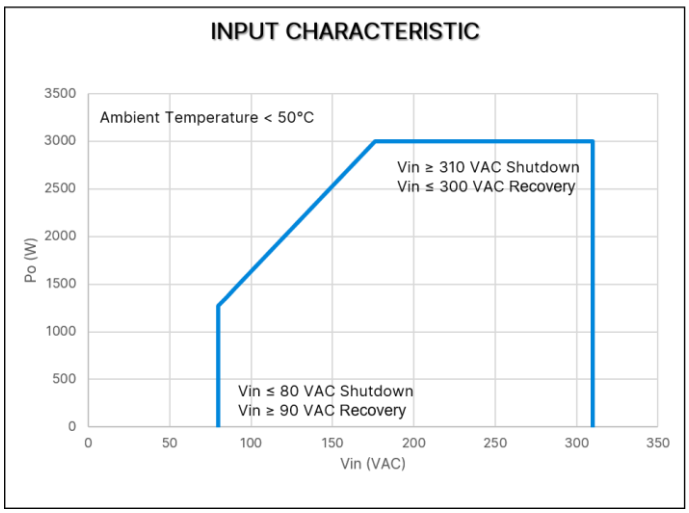
Delta's technology leading rectifier DPR 3000B-110 provides the industrial leading efficiency of 96.5%. The single phase, hot pluggable fan cooled rectifier provides the 53.5 W/in³ outstanding power density. Integrated with the high efficiency rectifier DPR 3000B-110, Delta power solution provides a reliable, energy saving solution for 110–125 V battery systems in railway and metro, power utilities, and demanding industries such as marine, oil and gas and process applications.

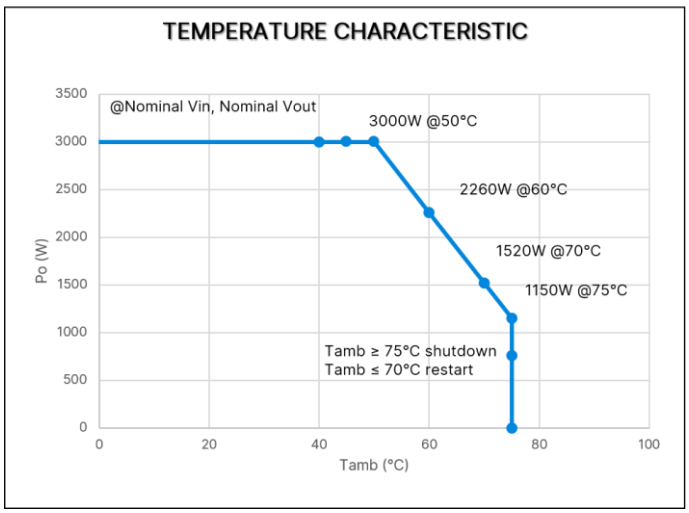


DPR 3000B-110









DPR 3000B-110

MODEL

DPR 3000B-110 ID:A1	PMPDR302A0051

INPUT

Voltage (nominal)	230 Vac / 230 Vdc
Voltage (range)	90 – 300 Vac; De-rating ≤ 176 Vac / 90 – 400 Vdc; De-rating ≤ 176 Vdc
Frequency	15 – 66 Hz; De-rating ≤ 45 Hz;
Power Factor	> 0.99
Total Harmonic Distortion	< 3.5% @ Full Load
Lightning Protection	EN 61000-4-5

OUTPUT

Voltage (default)	122.5 Vdc
Voltage (adjustable range)	89 to 171 Vdc
Maximum Output Current	24.5 A
Maximum Power @ nominal Input	3,000 W
Power Density	53.5 W/in^3
Peak Efficiency	96.5%
Load Regulation	± 0.5%
Ripple	≤ 500 mVp-p / ≤ 100 mVrms
Current Sharing	≤ ± 5% of maximum current
Lightning Protection	EN 61000-4-5

USER INTERFACE

Alarm and Signaling	CANbus to System Controller	
Indications	Green Orange Red	Normal operation Derating / Current limit Protective shutdown / module failure

MECHANICAL

Dimensions (W x H x D)	84 x 41 x 265 mm (3.30” x 1.61” x 10.43”)
Weight	2.0 kg (4.4 lb)

ENVIRONMENTAL

Operating Temperature	-40 to +75°C (-40 to +167°F); De-rating above 50°C (+122°F)
Storage Temperature	-40 to +80°C (-40 to +176°F)
Altitude	0 to 3,000m
Relative Humidity	0 – 95% RH non-condensing
Acoustic Noise	≤ 58 dBA
IP Protection	IP20

STANDARDS

Safety	TUV, CE, UL, UKCA
EMC	EN IEC 61000-6-1/-2/-3/-4/-5 EN 55032 AC Class B & DC output Class A
Railway	EN 50121-4, EN 50121-5
Marine	EN 60945, DNV-GL CG-0339
Environment	RoHS, WEEE
MTBF	100k hours @ 25°C (+77°F)

ORDERING INFORMATION

3,000W/110Vdc Single Phase Rectifier	PMPDR302A0051-S	Multi-packing
3,000W/110Vdc Single Phase Rectifier	PMPDR302A0051-A	Single-packing

All specifications are subject to change without prior notice.

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