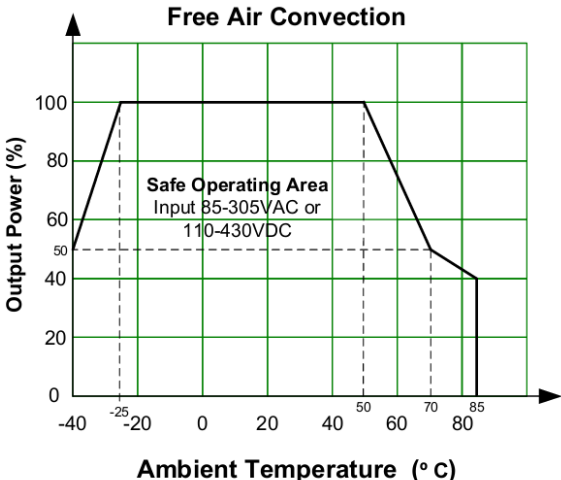
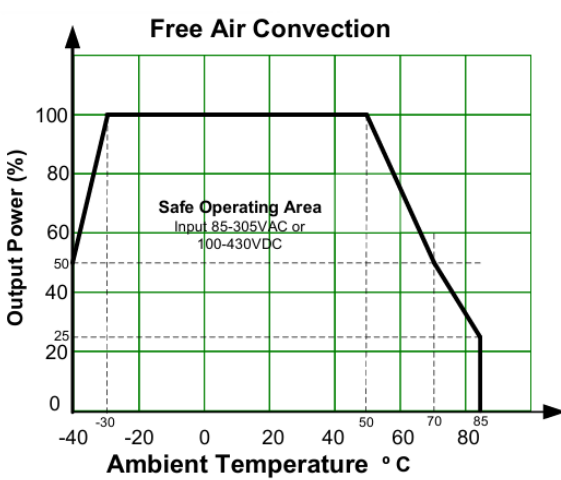


December 8th, 2025

Product Change Notification

| | |
|----------------------------------|---|
| PCN #: | AM20251208-1 |
| Issue Date: | December 8 th , 2025 |
| Products series affected: | AMEL90-277HAVZ series |
| Product list: | AMEL90-12S277HAVZ, AMEL90-15S277HAVZ, AMEL90-24S277HAVZ, AMEL90-48S277HAVZ. |
| Effective Date: | All part numbers listed in the above product list from the AMEL90-277HAVZ series shipping from Aimtec as of the issue date of this PCN. |
| Description of change: | All part numbers listed in the above product list from the AMEL90-277HAVZ series have their input fuse, over voltage protection, no-load power consumption, MTBF, case color, safety, EMC, temperature derating and operating altitude derating updated as per the details provided in the following ANNEX 1. |
| Reason for change: | This change has been implemented due to the EOL of critical raw materials. |
| Customer Impact: | Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary. |
| Package Diagram: | N/A |

ANNEX 1

| Parameter | Updated AMEL90-277HAVZ | OLD AMEL90-277HAVZ |
|---------------------------|--|--|
| Input Fuse | Built in, 3.15A/300V, slow blow | Built in, 6.3A/300V, slow blow |
| Over Voltage Protection | Hiccup or clamping by Zener diode, 12Vout: 16VDC max. Hiccup or clamping by Zener diode, 15Vout: 25VDC max. Hiccup or clamping by Zener diode, 24Vout: 35VDC max. Hiccup or clamping by Zener diode, 48Vout: 60VDC max. | 12Vout: 16VDC max. 15Vout: 24VDC max. 24Vout: 35VDC max. 48Vout: 63VDC max. |
| No-Load Power Consumption | 0.2W typ. 0.3W max. | 0.21W typ. |
| MTBF | > 500 000 hrs (MIL-HDBK -217F, t=+25°C) | > 300 000 hrs (MIL-HDBK -217F, t=+25°C) |
| Case Color | Black | Orange |
| Safety | Designed to meet IEC/EN/BS EN/UL 62368-1, EN60335-1, EN61558-1 | EN/BS EN 62368-1, EN60335-1, EN61558-1 approval Designed to meet IEC/UL 62368-1 |
| EMC | CISPR32, EN55032 Class B IEC 61000-4-2, Contact ± 6 kV, Air ± 8 kV, Criteria B IEC 61000-4-3, 10V/m, Criteria A IEC 61000-4-4, ± 2 kV, Criteria A IEC 61000-4-5, L-L ± 2 kV, Criteria A IEC 61000-4-6, 10Vrms, Criteria A IEC 61000-4-8, 30VA/m, Criteria A IEC 61000-4-11, 0%, 70%, Criteria B | CISPR32 / EN55032, class B IEC 61000-4-2 Contact ± 4 kV, Air ± 8 kV, Criteria B IEC 61000-4-3 10V/m, Criteria A IEC 61000-4-4 ± 2 kV, Criteria A IEC 61000-4-4 ± 4 kV, Criteria B with the recommended EMC circuit IEC 61000-4-5 L-L ± 2 kV, Criteria A IEC 61000-4-5 L-L ± 4 kV, L-GND ± 4 kV, Criteria B with the recommended EMC circuit IEC 61000-4-6 10Vr.m.s, Criteria A IEC 61000-4-8, 10VA/m, Criteria A IEC 61000-4-11 0%, 70%, Criteria B |
| Temperature Derating |  <p>Free Air Convection</p> <p>Output Power (%)</p> <p>Ambient Temperature (°C)</p> <p>Safe Operating Area Input 85-305VAC or 110-430VDC</p> |  <p>Free Air Convection</p> <p>Output Power (%)</p> <p>Ambient Temperature °C</p> <p>Safe Operating Area Input 85-305VAC or 100-430VDC</p> |

