

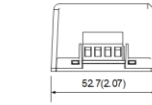
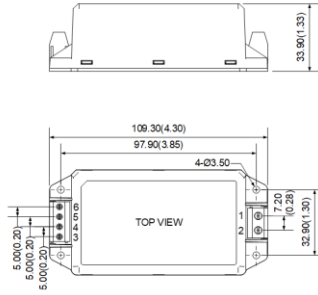
June 5<sup>th</sup>, 2025

## Product Change Notification

<b>PCN #:</b>	AM20250605-2
<b>Issue Date:</b>	June 5 <sup>th</sup> , 2025
<b>Products series affected:</b>	AMEL60-HAGY series
<b>Product list:</b>	AMEL60-5SHAGY, AMEL60-12SHAGY, AMEL60-15SHAGY, AMEL60-24SHAGY, AMEL60-48SHAGY, AMEL60-5SHAGY-ST, AMEL60-12SHAGY-ST, AMEL60-15SHAGY-ST, AMEL60-24SHAGY-ST, AMEL60-48SHAGY-ST.
<b>Effective Date:</b>	All part numbers listed in the above product list from the AMEL60-HAGY series shipping from Aimtec as of the issue date of this PCN.
<b>Description of change:</b>	All part numbers listed in the above product list from the AMEL60-HAGY series have their efficiency, over voltage protection, operating temperature, input voltage, dimensions and derating updated as per the details provided in the following ANNEX 1.
<b>Reason for change:</b>	This change has been implemented due to the improvement of our raw materials tolerance.
<b>Customer Impact:</b>	Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.
<b>Package Diagram:</b>	N/A

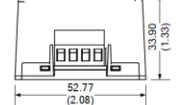
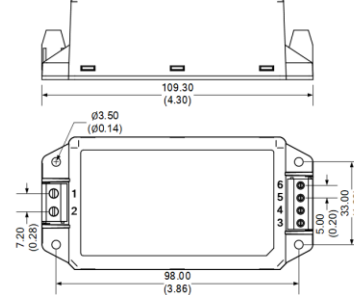
## ANNEX 1

Parameter	Updated AMEL60-HAGY	OLD AMEL60-HAGY
Efficiency	12Vout: 87.5% 24Vout: 89.5%	12Vout: 87% 24Vout: 90%
Over voltage protection	5Vout, Shut off o/p voltage, clamping by zener diode: 7.5VDC max. 12Vout, Shut off o/p voltage, clamping by zener diode: 16.5VDC max. 15Vout, Shut off o/p voltage, clamping by zener diode: 24VDC max. 24Vout, Shut off o/p voltage, clamping by zener diode: 34VDC max. 48Vout, Shut off o/p voltage, clamping by zener diode: 65VDC max.	5Vout, hiccup, Auto recovery: 6.75VDC max. 12Vout, hiccup, Auto recovery: 16.2VDC max. 15Vout, hiccup, Auto recovery: 20.25VDC max. 24Vout, hiccup, Auto recovery: 32.4VDC max. 48Vout, hiccup, Auto recovery: 64.8VDC max.
Operating temperature	-30 to +85°C	-30 to +70°C
Input voltage	90-264VAC	90-264VAC 120-370VDC
Derating		
Dimensions	<p>PCB mountable models: 3.43 x 2.05 x 1.18 inches (87.0 x 52.0 x 30.0 mm)</p> <p>Note: Unit: mm(inch) General tolerance: ±0.50 (±0.02) Pin diameter tolerances: ±0.10 (±0.04)</p> <p>With optional -ST mounting plate: 4.30 x 2.07 x 1.33 inches (109.3 x 52.7 x 33.9 mm)</p>	<p>PCB mountable models: 3.43 x 2.05 x 1.16 inches (87.0 x 52.0 x 29.5 mm)</p> <p>Note: Unit: mm(inch) General tolerance: ±0.5 (±0.02)</p> <p>With optional -ST mounting plate: 4.30 x 2.08 x 1.33 inches (109.3 x 52.77 x 33.9 mm)</p>



Pin Output Specifications	
Pin	Single
1	AC Input (N)
2	AC Input (L)
3	-V Output
4	-V Output
5	+V Output
6	+V Output

Note:  
 Unit: mm (inch)  
 General tolerance: ±1.00 (±0.04)  
 Connection wire diameter: 24-12AWG  
 Screw clamp unit: M2.5 Max 0.4 N\*m



Pin Output Specifications	
Pin	Single
1	AC Input (N)
2	AC Input (L)
3	-V Output
4	-V Output
5	+V Output
6	+V Output

Note:  
 Unit: mm (inch)  
 General tolerance: ±0.50 (±0.02)