

September 11th, 2026

Product Change Notification

PCN #: AM20260911-2

Issue Date: September 11th, 2026

Products series affected: AM6GH-LPZ series

Product list: AM6GH-1203SLPZ, AM6GH-1205SLPZ, AM6GH-1206SLPZ, AM6GH-1209SLPZ, AM6GH-1212SLPZ, AM6GH-1215SLPZ, AM6GH-1224SLPZ, AM6GH-2403SLPZ, AM6GH-2405SLPZ, AM6GH-2406SLPZ, AM6GH-2409SLPZ, AM6GH-2412SLPZ, AM6GH-2415SLPZ, AM6GH-2424SLPZ, AM6GH-4803SLPZ, AM6GH-4805SLPZ, AM6GH-4806SLPZ, AM6GH-4809SLPZ, AM6GH-4812SLPZ, AM6GH-4815SLPZ, AM6GH-4824SLPZ, AM6GH-1203SH30LPZ, AM6GH-1205SH30LPZ, AM6GH-1206SH30LPZ, AM6GH-1209SH30LPZ, AM6GH-1212SH30LPZ, AM6GH-1215SH30LPZ, AM6GH-1224SH30LPZ, AM6GH-2403SH30LPZ, AM6GH-2405SH30LPZ, AM6GH-2406SH30LPZ, AM6GH-2409SH30LPZ, AM6GH-2412SH30LPZ, AM6GH-2415SH30LPZ, AM6GH-2424SH30LPZ, AM6GH-4803SH30LPZ, AM6GH-4805SH30LPZ, AM6GH-4806SH30LPZ, AM6GH-4809SH30LPZ, AM6GH-4812SH30LPZ, AM6GH-4815SH30LPZ, AM6GH-4824SH30LPZ, AM6GH-1203DLPZ, AM6GH-1205DLPZ, AM6GH-1209DLPZ, AM6GH-1212DLPZ, AM6GH-1215DLPZ, AM6GH-1224DLPZ, AM6GH-2403DLPZ, AM6GH-2405DLPZ, AM6GH-2409DLPZ, AM6GH-2412DLPZ, AM6GH-2415DLPZ, AM6GH-2424DLPZ, AM6GH-4803DLPZ, AM6GH-4805DLPZ, AM6GH-4809DLPZ, AM6GH-4812DLPZ, AM6GH-4815DLPZ, AM6GH-4824DLPZ, AM6GH-1203DH30LPZ, AM6GH-1205DH30LPZ, AM6GH-1209DH30LPZ, AM6GH-1212DH30LPZ, AM6GH-1215DH30LPZ, AM6GH-1224DH30LPZ, AM6GH-2403DH30LPZ, AM6GH-2405DH30LPZ, AM6GH-2409DH30LPZ, AM6GH-2412DH30LPZ, AM6GH-2415DH30LPZ, AM6GH-2424DH30LPZ, AM6GH-4803DH30LPZ, AM6GH-4805DH30LPZ, AM6GH-4809DH30LPZ, AM6GH-4812DH30LPZ, AM6GH-4815DH30LPZ, AM6GH-4824DH30LPZ.

Effective Date: All part numbers listed in the above product list from the AM6GH-LPZ series shipping from Aimtec as of the issue date of this PCN.

Description of change: The AM6GH-LPZ series has been updated as described in ANNEX 1 and ANNEX 2.

ANNEX 1 applies to all part numbers listed in the above product list. The affected models have been updated with revised efficiency, input current,

on/off control, load regulation, ripple & noise, over current protection, derating and EMC recommended circuit specifications.

ANNEX 2 provides details of parameter specific updates. Each change is applicable only to the identified models or model groups. The revised specifications for output current, maximum capacitive load, isolation voltage and typical application circuit are detailed in ANNEX 2.

Reason for change: These changes have been implemented due to the EOL of critical raw materials.

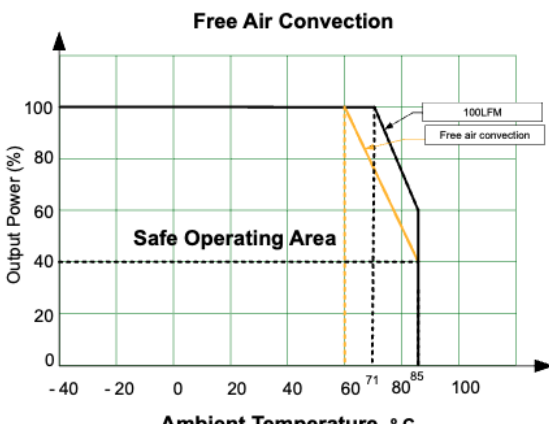
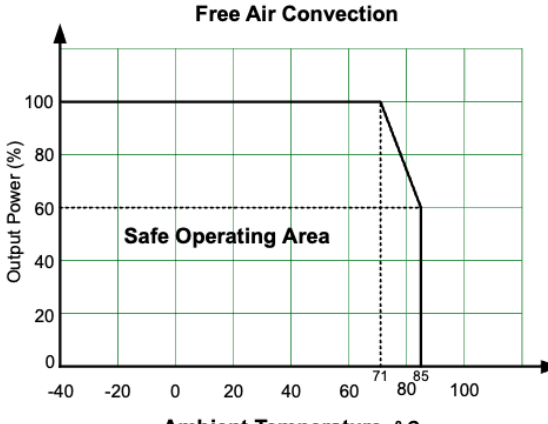
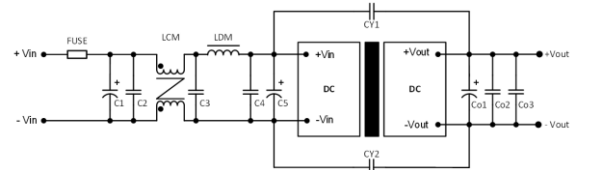
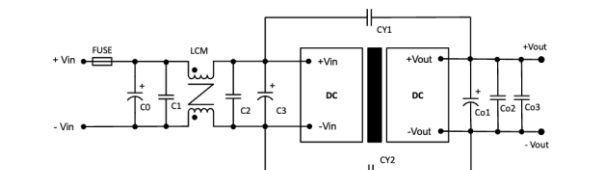
Customer Impact: Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.

Package Diagram: N/A

ANNEX 1

Changes applicable to all part numbers listed in the product list

Parameter	Updated AM6GH-LPZ	OLD AM6GH-LPZ
Efficiency	78~87% typ.	76~85% typ.
Input current full load/no load	12Vin models: 625/40mA typ. 24Vin models: 309/20mA typ. 48Vin models: 160/18mA typ.	12Vin models: 476~641/30mA typ. 24Vin models: 248~325/30mA typ. 48Vin models: 156~166/30mA typ.
ON/OFF control	ON: pin open or logic high (2.7V ~ 12V)	ON: pin open or logic high (3.5V ~ 12V)
Load regulation	5~100% load: $\pm 1.0\%$ typ. $\pm 2.0\%$ max. 0~100% load: $\pm 2.0\%$ typ. $\pm 4.0\%$ max.	Single output, 5~100% load: $\pm 0.5\%$ typ. $\pm 1.5\%$ max. Dual output, 5~100% load: $\pm 1.0\%$ typ. $\pm 1.5\%$ max.
Ripple & noise	20MHz bandwidth, 5~100% load: 80mV p-p typ. 150mV p-p max.	20MHz bandwidth, 5~100% load: 50mV p-p typ. 100mV p-p max.
Over current protection	180% Iout typ.	110~160% Iout typ.

Derating	Derating Free Air Convection  Output Power (%) Ambient Temperature °C 100LFM Free air convection Safe Operating Area	Derating Free Air Convection  Output Power (%) Ambient Temperature °C Safe Operating Area																																											
	EMC Recommended Circuit EMC recommended circuit  <table><tr><th>Vin</th><th>C1, C5</th><th>C2, C3, C4</th><th>LCM</th><th>LDM</th><th>CY1, CY2</th></tr><tr><td>12V</td><td>680uF, 25V</td><td>10uF, 50V</td><td></td><td>12uH</td><td>1nF, 2KV</td></tr><tr><td>24V</td><td>330uF, 50V</td><td>10uF, 50V</td><td>1mH</td><td></td><td>1nF, 3KV (H30 models)</td></tr><tr><td>48V</td><td>330uF, 100V</td><td>10uF, 100V</td><td></td><td></td><td></td></tr></table> Fuse to be selected according to application needs. Output components refer to Typical Application Circuit.	Vin	C1, C5	C2, C3, C4	LCM	LDM	CY1, CY2	12V	680uF, 25V	10uF, 50V		12uH	1nF, 2KV	24V	330uF, 50V	10uF, 50V	1mH		1nF, 3KV (H30 models)	48V	330uF, 100V	10uF, 100V				EMC Recommended Circuit EMC recommended circuit  <table><tr><th>Vin</th><th>C1, C2</th><th>C3, C4</th><th>LCM</th><th>CY1, CY2</th></tr><tr><td>12V</td><td>330uF, 25V</td><td></td><td></td><td>1nF, 2KV</td></tr><tr><td>24V</td><td>330uF, 50V</td><td>10uF, 100V</td><td>1.4~1.7mH</td><td>1nF, 4KV (H30 models)</td></tr><tr><td>48V</td><td>220uF, 100V</td><td></td><td></td><td></td></tr></table> Fuse to be selected according to application needs. Output components refer to Typical Application Circuit.	Vin	C1, C2	C3, C4	LCM	CY1, CY2	12V	330uF, 25V			1nF, 2KV	24V	330uF, 50V	10uF, 100V	1.4~1.7mH	1nF, 4KV (H30 models)	48V	220uF, 100V		
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ANNEX 2

Changes applicable to specific models or model groups

Parameter	Updated AM6GH-LPZ	OLD AM6GH-LPZ
Output current	48Vin, 3.3Vout, single output models: 1350mA max.	48Vin, 3.3Vout, single output models: 1600mA max.
Maximum capacitive load	9Vout, single output models: 560μF 24Vout, single output models: 150μF 48Vin, 3.3Vout, single output models: 1800μF 48Vin, 5Vout, single output models: 1000μF 48Vin, 12Vout, single output models: 470μF 48Vin, 15Vout, single output models: 220μF 3.3Vout, dual output models: ±560μF 12Vout, dual output models: ±150μF 15Vout, dual output models: ±150μF 24Vout, dual output models: ±150μF	9Vout, single output models: 470μF 24Vout, single output models: 100μF 48Vin, 3.3Vout, single output models: 1200μF 48Vin, 5Vout, single output models: 680μF 48Vin, 12Vout, single output models: 330μF 48Vin, 15Vout, single output models: 150μF 3.3Vout, dual output models: ±470μF 12Vout, dual output models: ±120μF 15Vout, dual output models: ±100μF 24Vout, dual output models: ±68μF
Isolation voltage	Input/Output, 60 sec, 1mA, SLPZ/DLPZ models: ≥1600VDC typ.	Input/Output, 60 sec, 1mA, SLPZ/DLPZ models: ≥1500VDC typ.
Typical application circuit	Co1, 9/12/15Vout: 100uF, 25V Co1, 24Vout: 100uF, 50V	Co1, 9/12/15Vout: 47uF, 25V Co1, 24Vout: 47uF, 50V