

Ordering Information

Model Number	Output	Adjustment Range	Output Current		Output Ripple P/P ¹	Line/ Load Regulation
			Min	Max		
LCC250-12U-4P	12 V	±10%	0 A	20.8 A	1% ²	±2%
LCC250-12U-4PE	12 V	±10%	0 A	20.8 A	1% ²	±2%
LCC250-12U-7P	12 V	±10%	0 A	20.8 A	1% ²	±2%
LCC250-12U-7PE	12 V	±10%	0 A	20.8 A	1% ²	±2%
LCC250-24U-4P	24 V	+14.6 / -15%	0 A	10.4 A	1% ³	±2%
LCC250-24U-4PE	24 V	+14.6 / -15%	0 A	10.4 A	1% ³	±2%
LCC250-24U-7P	24 V	+14.6 / -15%	0 A	10.4 A	1% ³	±2%
LCC250-24U-7PE	24 V	+14.6 / -15%	0 A	10.4 A	1% ³	±2%
LCC250-48U-4P	48 V	±15%	0 A	5.2 A	1% ⁴	±2%
LCC250-48U-4PE	48 V	±15%	0 A	5.2 A	1% ⁴	±2%
LCC250-48U-7P	48 V	±15%	0 A	5.2 A	1% ⁴	±2%
LCC250-48U-7PE	48 V	±15%	0 A	5.2 A	1% ⁴	±2%

- Output ripple measured at the end of the output cable terminated with 10 μ F tantalum cap in parallel with 0.1 μ F ceramic capacitor.
- 12 V: 1% limit is achieved with 2X 820 μ F/16 V external cap (e.g. PLG1C821MDO1 from Nichicon or equivalent). Otherwise, maximum limits are 1.5% at $T_a \geq 0^\circ\text{C}$ and 2.0% max at $T_a < 0^\circ\text{C}$.
- 24 V: 1% limit is achieved with 2X 820 μ F/35 V external cap (e.g. UPM1V821MHD1TO from Nichicon or equivalent). Otherwise, maximum limits are 1.5% at $T_a \geq -10^\circ\text{C}$. 2.0% max ripple at $T_a < -10^\circ\text{C}$ is met with below external capacitance:

Ambient Temperature ($^\circ\text{C}$)	-20	-25	-30	-35	-40
Recommended External Capacitors (μF)	1000	2200	3300	12000	22000

- 48 V: 1% limit is achieved with 3X 470 μ F/63 V external cap. Otherwise, maximum limits are 1.5% max at $T_a \geq 0^\circ\text{C}$ and 2% max at $T_a < 0^\circ\text{C}$.
- Safety Approvals: China CCC approval applies to part numbers with “-xxE” suffixes only.
- 12 V unit requires external filtering for MIL-STD-461E compliance. Consult Artesyn Technical Support.
- Warranty: 2 years

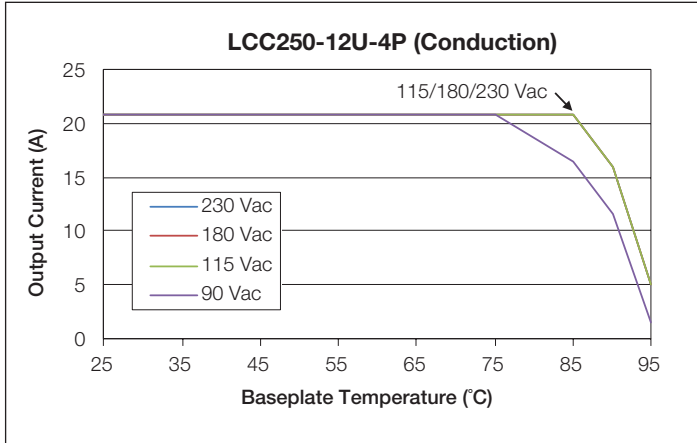


Fig 1. 12 V "4P" Suffix (Conduction) Output Current Derating

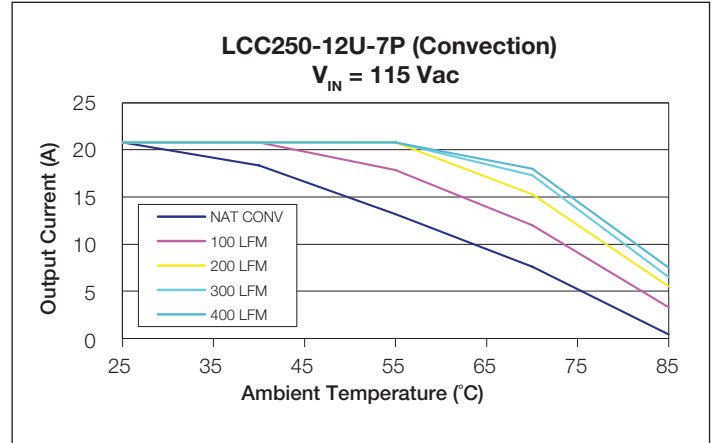


Fig 2. 12 V "7P" Suffix (Convection) Output Current Derating at 115 Vac

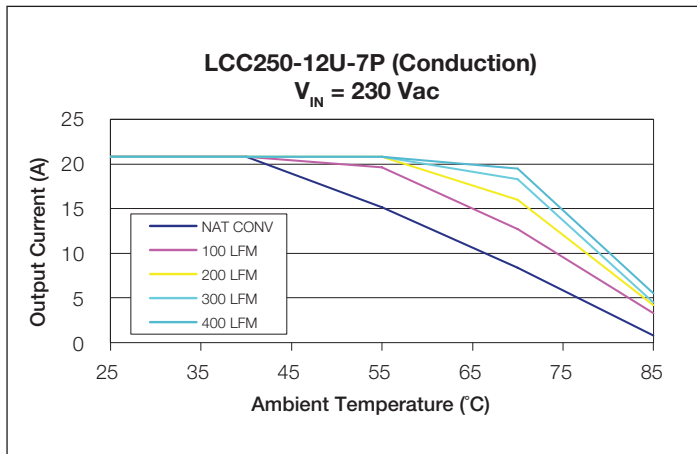


Fig 3. 12 V "7P" Suffix (Convection) Output Current Derating at 230 Vac

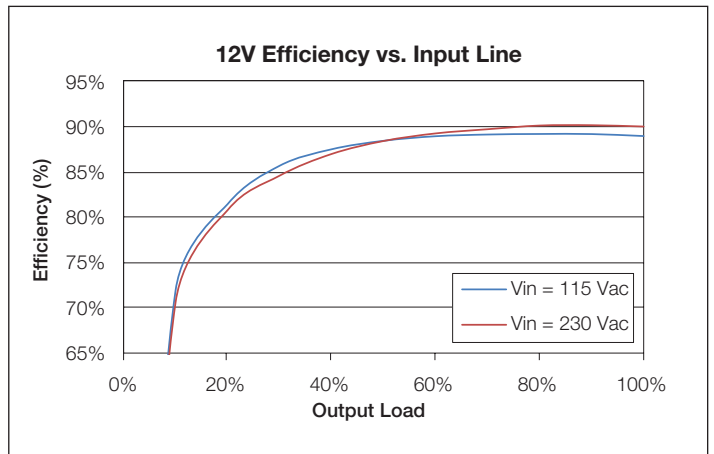


Fig 4. 12 V Efficiency Curve

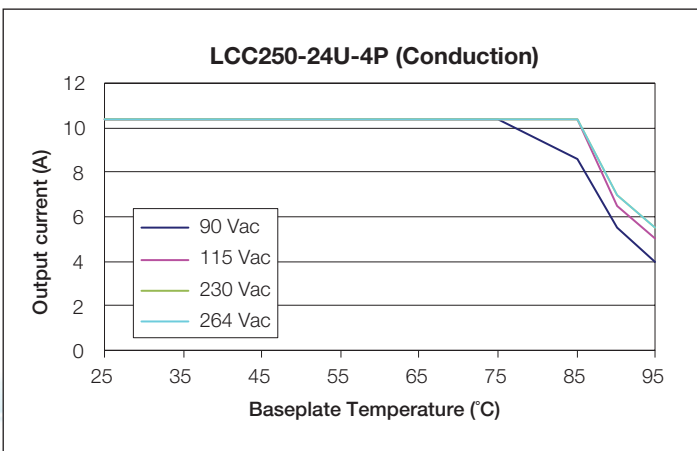


Fig 5. 24 V "4P" Suffix (Conduction) Output Current Derating

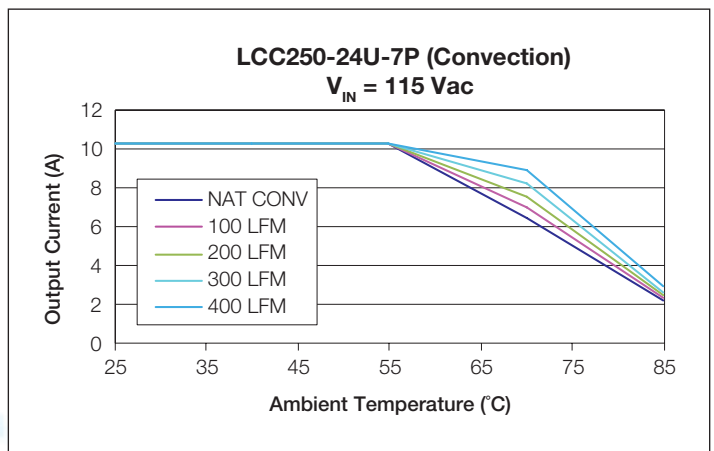


Fig 6. 24 V "7P" Suffix (Convection) Output Current Derating at 115 Vac