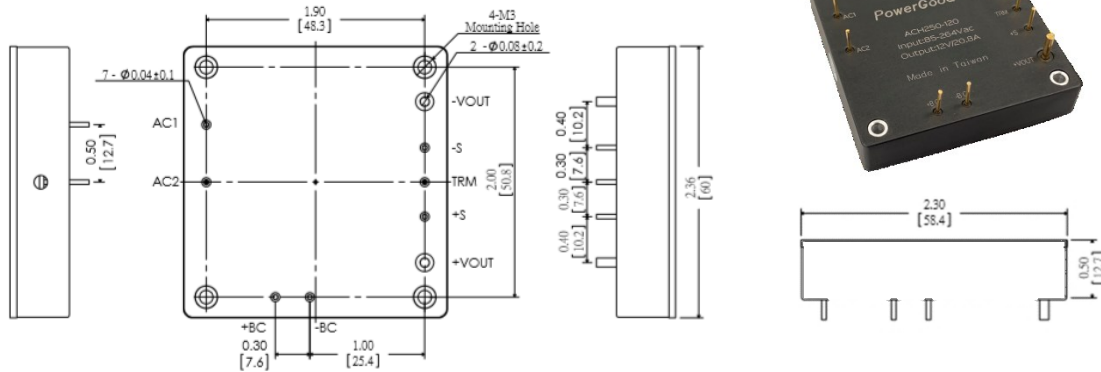


Model Selection Guide

All specifications are typical at 230Vac input, 100% load at Ta25°C unless otherwise noted

Model	Output			Efficiency @FL
	Voltage	Current	Power	
	(V)	(A)	(W)	Typ.(%)
ACH250-120SV0	12	20.8	250	90

Mechanical Dimensions & Pin Assignments



All dimension in inch, Tolerance: X.X±0.02

Electrical Specifications

Input Specifications

Parameter	Notes and Conditions	Min.	Typ	Max.	Unit
Operating Input Voltage ranges		90		264	Vac
Operating Input Frequency ranges		47		60	Hz
Input Current	at 115VAC 100% load at 230VAC 100% load		2.2 1.1		A
Inrush Current	at 230VAC	Limited by external components (Thermistor)			
Power Factor	at 115VAC 100% load at 230VAC 100% load		0.95 0.9		
Leakage Current	at 240VAC 60Hz 100% load			0.75	mA

Output Specifications

Parameter	Notes and Conditions	Min.	Typ	Max.	Unit
Output Voltage Accuracy	100% Load			±1.5	%
Line Regulation	High line to low line			±1	%
Load Regulation	0% to 100% load			±1	%
Ripple and Noise	20MHz Bandwidth and with 10uF MLCC. Output Capacitor			2	%
Output Voltage Adjustment Range	adjustable by external resistor	11.4		12.6	V
Minimum Load		0			A
Hold Up Time		Setting by external capacitors between +BC & -BC			
Overvoltage Protection		110		140	%
Short-circuit Protection		Hiccup mode (Auto-Recovery)			

General Specifications

Parameter	Notes and Conditions	Min.	Typ	Max.	Unit
Switching Frequency			130		KHz
Storage Temperature range		-55		125	°C
Operating Temperature	on aluminum base plate	-40		100	°C
Humidity (non condensing)				95	%
Isolation Voltage Input to Output		3000			Vac
Weight			114		g
Dimensions	2.4" x 1.9" x 0.5" (60.00 x 48.30 x 12.7 mm)				
Material	aluminum base with plastic case				