

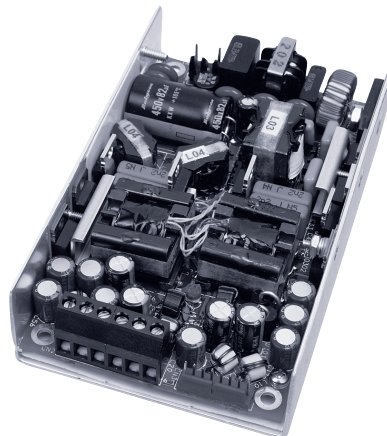
Model

Miniature Switch Mode Power Supply

AAD130SD

H.A.L.T. Highly Accelerated Life Testing
TESTED

- 130 Watts output power
- Power Factor Correction
- Parallel/Redundant Operation
- Up to 90% Efficiency



Electrical Specifications

Input Voltage:	90-264 VAC, 47-63 Hz	Output Rise Time:	<250 ms (10% to 90%)
Input Current:	<2A RMS @ 115 VAC @ full load <1A RMS @ 230 VAC @ full load	Remote Sense:	Standard on V1 and V2 Up to 400mV of cable drop
Inrush Current:	<35A, pk @ 132 VAC @ cold start <75A, pk @ 264 VAC @ cold start	AC Power Fail:	TTL _{LOW} logic "0" at least 5 ms before DC output drops 5% (without signal jitter). <10mA sink current for Power Fail "0". <1mA source current for Power Fail "1".
Power Factor:	>0.98 @ full load @ 115/230VAC input	Overshoot/Undershoot:	<5% overshoot with remote sense at output terminals
Harmonic Distortion:	Meets EN61000-3-2	Current Share (option):	Load currents of V1 and V2 for similar units can be shared @ $\pm 5\%$ of total load
EMI Filtering:	Meets CISPR 11 and 22 and FCC Part 15 Class B (conducted)	Overvoltage Protect:	Factory set, 125% $\pm 5\%$ on V1 and V2 cycle AC to reset
Input Protection:	Internal AC line fuse; 250 VAC, 4.0A	Short Circuit Protection:	All outputs are auto recovery
Surge Withstand:	Meets EN61000-4	Reverse Voltage:	Reverse current up to rated outputs
Output Power:	Up to 144W with 15CFM air; 80W Convection cooled (consult factory for current ratings)	Case Power Protection:	Standard operation interrupt (hiccup mode)
Line Regulation:	$\pm 0.3\%$	Efficiency:	Up to 90%
Load Regulation:	$\pm 1\%$ for V1 and V2	MTBF:	MIL-STD-HDBK 217E >200,000 hours @ 25°C Highly Accelerated Life Testing
PARD:	Greater of 1% or 50mV 20MHz bandwidth		
Hold-up Time:	>20 ms @ full load		
Turn-on Delay:	<2 seconds		
Output Polarity:	See Voltage Chart		
Minimum Load:	7W (Single Output) 3.5W each (Dual Output)		
Transient Response:	Greater of 150mV or 3% for 25% load change @ 1A/ μ s (V1 and V2)		

Available Voltage Outputs*

Dual Output Voltage Codes	Dual Output V1 Voltages (Volts)	Dual Output V1 Currents (Amps)	Dual Output V2 Voltages (Volts)	Dual Output V2 Currents (Amps)	Single Output Voltage Codes	Single Output V1 Voltages (Volts)	Single Output V1 Currents (Amps)
-2	3.3	16	3.3	16	-20	3.3	32
-3	5	14	5	14	-30	5	26
-4	12	6	12	6	-40	12	12
-5	15	5	15	5	-50	15	9
-6	24	3	24	3	-60	24	6
-7	28	2.5	28	2.5	-70	28	5
-8	36	2	36	2	-80	36	4
-9	48	1.5	48	1.5	-90	48	3

* Consult factory for other voltages and OEM quantities.

Note: Standard Dual Output Models are -34 and -46

Note: Standard Single Output Models are shown bold

PART # STRUCTURE:

MODEL - **VOLTAGE CODE** - **OPTION CODES** (See back)
 - V1 -
AAD130SD - **X X** - **ABC....**

Example1: Part Number **AAD130SD-56-AC** = 130W Dual Output, Power Factor Corrected, 15V @ 5A and 24V @ 3A with Current Sharing and a Thruhole Chassis.

Example2: Part Number **AAD130SD-30-BM** = 130W Single Output, Power Factor Corrected, 5V @ 26A with PF Invert and Metric Mounting.

[CLICK HERE TO SEE THE AAD130SD CODE TABLE AND AVAILABLE OPTIONS.](#)

