

SILENCE IS GOLDEN

*Daitron*<sup>®</sup>



**The Simple Solution  
for Low-Noise Applications**

# The Simple Solution for Low-Noise Applications

UNTIL NOW, the standard options for low-noise applications were heavy, inefficient and expensive. Daitron's innovative new "soft switching" series effectively manages the number one source of noise: the switching power unit. **The result? Reduced noise levels equivalent to dropper-type power supplies—but in a lighter, more efficient, more affordable unit.**

# The Daitron Difference

Standard switching creates a current with an angular shape, resulting in a ringing noise at the cross point. The large overlap between current and voltage also leads to heat loss and reduced efficiency. Daitron's "soft switching" system creates a current with a sine wave shape, greatly reducing the noise generated. And because the overlap area is much smaller, there's less switching loss and greater efficiency.



DFS150A

## VERY LOW NOISE TYPE

## LOW NOISE TYPE

	PRODUCT SERIES	DFS50	DLS100	DFS100A	DFS150A	DLS100B	DCB50W**
	<b>Output (W)</b>	50	100	100	150	100	50
	<b>Vin (VAC)</b>	85 to 264	85 to 132	85 to 264	85 to 264	85 to 132	85 to 264
	<b>PFC</b>	N/A	N/A	Yes	Yes	N/A	N/A
	<b>Ripple &amp; Noise (mV<sub>pp</sub>)</b>	20 - 50	30	40 - 50	30 - 40	80 - 120	30 - 60
Available voltage (VDC)	<b>3.3</b>		• *66W				
	<b>5</b>	• *30W	•	• *50W	• *80W	• *60W	
	<b>12</b>	•		•	•	•	•
	<b>15</b>	•		•	•		
	<b>24</b>	•		•	•	•	•
	<b>48</b>	•		•	•	•	
	<b>UL/CSA</b>	•	•	•	•	•	•
	<b>CE</b>	•		•	•		•
	<b>UL File #</b>	E237238	E237238	E237238	E237238	E237238	E237238

\* Low voltage units have different wattage parameter \*\*DC UPS feature

## One Standard of Quality

You'll find Daitron products at work in a wide range of applications, from line-scan camera inspection systems to ultrasonography machines, high-end conferencing systems to LED surgical lights. While the applications are myriad, the standard for every Daitron product is the same: efficiency and quality. Our power supply series is RoHS compliant, EMC compliant and PVC free, making Daitron an ideal choice for environmentally conscious products.

## Ready to Hear More?

No need to spend extra time and expense on a custom switcher, when Daitron has a solution to fit your needs. **CALL OR CLICK TODAY to learn more or to request detailed specifications.**

**DISCOVER THE SIMPLE SOLUTION FOR LOW-NOISE APPLICATIONS.**

**Daitron®**

(503) 682-7560

www.daitron.com



HFS50



HFS150A

### ULTRA LOW NOISE TYPE

	PRODUCT SERIES	HFS30	HFS50	HFD30	MFS50	HFS150A
	<b>Output (W)</b>	30	50	30	50	150
	<b>Vin (VAC)</b>	85 to 264	85 to 264	85 to 264	85 to 264	85 to 264
	<b>PFC</b>	N/A	N/A	N/A	N/A	Yes
	<b>Ripple &amp; Noise (mV<sub>pp</sub>)</b>	3-5	3-6	2-3	10	10
Available voltage (VDC)	<b>5</b>	•	•		•	•*100W
	<b>12</b>	•	•		•	•
	<b>15</b>	•	•		•	•
	<b>24</b>	•	•		•	•
	<b>30</b>				•	•
	<b>48</b>	•	•		•	•
	<b>Dual 12</b>			•		
<b>Dual 15</b>			•			
	<b>UL/CSA</b>	•	•	•	UL/EN 60601-1*pending	UL/EN 60601-1, 60950-1
	<b>CE</b>	•	•	•		
	<b>UL File #</b>	E237238	E237238	E237238	E320635	E320635

\*File No. E320635, "Power Supplies, Medical and Dental Certified - Component" (in U.S. and Canada)



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