

Customization

● UPS Customization (Uninterruptible Power Supply)

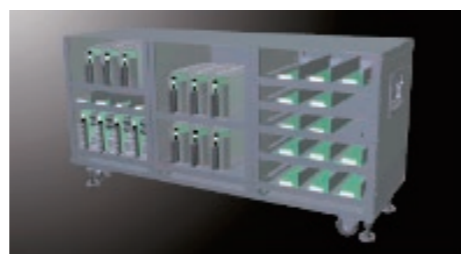
We have been developing and producing UPS products which can meet customers' requirements for many years.

We have numerous developed products for Semiconductor Manufacturing Equipment, Medical Equipment, Inspection and Test Instruments.



● Other Customization

We also offer total power supply solution based on our Ultra Low Noise Inverter Battery Management Software Control technology for the customers who need off-the-shelf one stop shop power supply for multiple channel outputs.

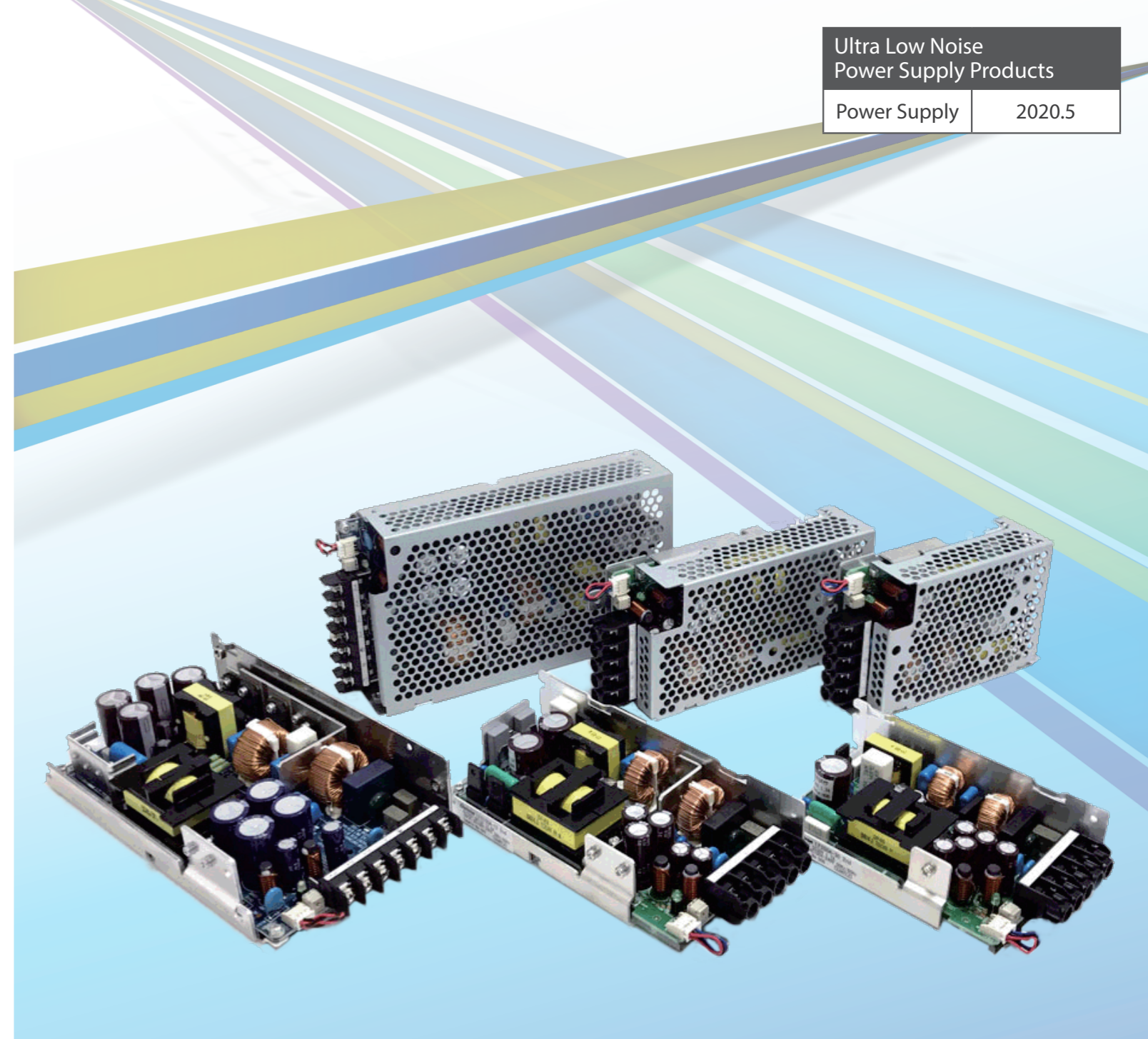


Ready to learn more?

For more information, visit our website at
<http://www.daitron.co.jp/power/>
or access from the QR code.



Products Site



Daitron

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Daitron



Products Site

Superior Ultra Low Noise Power Supply Product

DAITRON CO., LTD.

Superior Ultra Low Noise AC/DC Switching Power Supply applicable to various equipment including test instruments, analytical instruments, and semiconductor manufacturing equipment

Features





- Superior ultra low output ripple & noise 1mV (RFS series)
- Ultra low output ripple & noise 10mV (LFS, PFS series)
- Low conducted emission (input feedback noise)
- Low radiated emission (radiated noise)
- Low leakage current
- Significant reduction of output common mode noise (RFS series)
- Small, light weight and high efficiency
- Suitable for replacing linear power supplies
- Medical standards UL/EN60601-1 certified (LFS, PFS Series)

Why Daitron Power Supply

Our small, light weight, and high efficiency switching power supplies are with the noise performance equivalent to that of linear power supplies. They can significantly reduce man-hours for noise measures for your systems and reduce workload for designing.

	Competitor Power Supply		Daitron Power Supply	
	Linear Power Supply	General Switching Power Supply	LFS, PFS Series	RFS Series
Input Voltage Range	×	○	○	○
Leakage Current	⊙	×	○	○
Harmonic Current Control	×	○	○	○
Power Conversion Efficiency	×	⊙	⊙	○
Shape (Volume)	×	⊙	⊙	○
Weight	×	⊙	⊙	○
Output Ripple & Noise	⊙	×	○	⊙
Conducted Emission (Input Feedback Noise)	⊙	×	○	⊙
Radiated Emission (Radiated Noise)	⊙	×	○	⊙
Output Common Mode Noise (2nd-FG)	⊙	×	○	⊙

Products Selection Guide

Product Series	Ultra Low Noise			Superior Ultra Low Noise
	LFS50A	LFS150A	PFS300A	RFS50A
Appearance				 NEW
Output (W)	50	150 (100W for 5V only)	300	50
Input Voltage (VAC)	85~264			
Ripple & Noise (mV)	10	10 (13 mV for 48V only)	10	1*
Output (V)	5/12/15/24/30/48		12/15/24/30/48	
Safety Standards	IEC Certified, Medical Standards Certified, PSE Compliant			IEC Certified, PSE Compliant
CE	Low Voltage Directive Compliant			

* By Daitron measuring method

Use

High precision equipment and machine requiring low noise and low leakage current, such as measuring instruments, analytical instruments, laboratory instruments, medical equipment, and production facilities.

<Application>

- Microscopy <SEM/TEM>
- Medical Imaging/Diagnosis
- Nanoscale Measurement, Image Sensing, Image Processing

Noise Comparison

