

CleanSweep® PDU

Power Distribution Unit with EMI Filtering and Advanced Transient Surge Protection

OnFILTER CleanSweep® EMI power distribution units (PDU) provide transient-free and noise-free AC power and ground for your sensitive equipment. Innovative design accomplishes a combination of multi-stage transient surge protection and maximum noise suppression of signals polluting your power lines and ground, freeing your equipment from harmful interference.

Safe and clean power is essential for uninterrupted and problem-free operation of electrical and electronic equipment. Transient surges and electromagnetic interference (EMI) spreads through power lines and ground, causing downtime and errors in today's equipment and may inflict equipment and component damage.

Unique patented design of OnFILTER' CleanSweep® filters focuses on the properties of real-life signals on power lines and ground and produces maximum attenuation of the "worst offenders" on power lines.



ARN5156FD

Other models available

Applications

- Data Centers
- Test and measurement
- R&D laboratories
- Electronic manufacturing
- Semiconductor fabrication
- Military and aerospace
- Hi-Fi Audio
- Wherever EMI is an issue

Features

- Easy plug-in installation
- Optimized for real-life power lines
- Effective noise suppression for all types of noise
- Two stage advanced surge transient protection
- Display: V, I, W, Whr
- Models for up to 250V AC 20A

Suppression of Transients and EMI Noise on Power Lines and Ground

OnFILTER' CleanSweep® PDU provide transients and noise suppression for differential mode (between power' live and neutral), common-mode (between live, neutral and ground) and, uniquely, for ground itself

Advanced Surge Protection

OnFILTER CleanSweep® series PDU utilize multi-stage surge protection (both sacrificial and non-sacrificial) by reducing residual high-voltage "spikes" down to a negligible level

Increased Up-Time

OnFILTER' CleanSweep® power distribution units reduce equipment downtime caused by transients and EMI and increase its performance and productivity by providing clean power to your sensitive equipment

Real-Life Applications

Unlike commodity filters designed for compliance measurements in a laboratory environment, CleanSweep® filters are optimized for effective suppression of surge transients and noise in actual applications providing superb attenuation in broad range of power disturbances.

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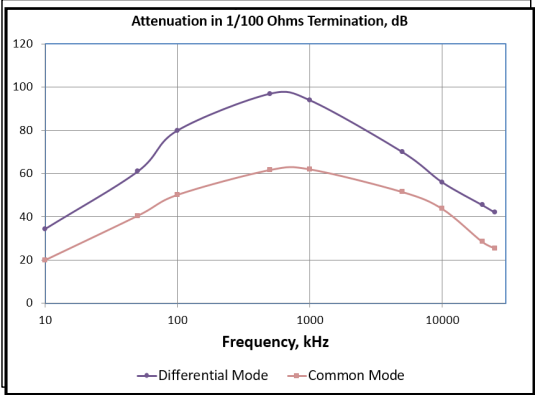
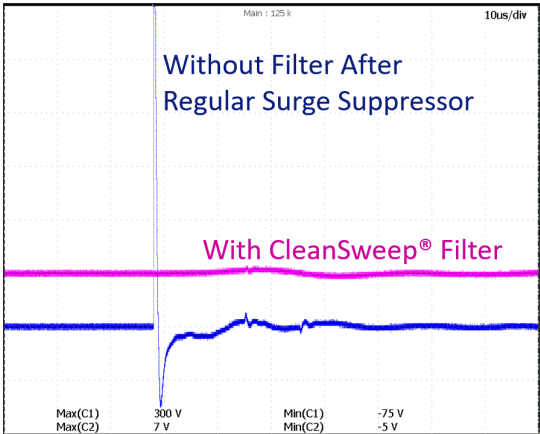
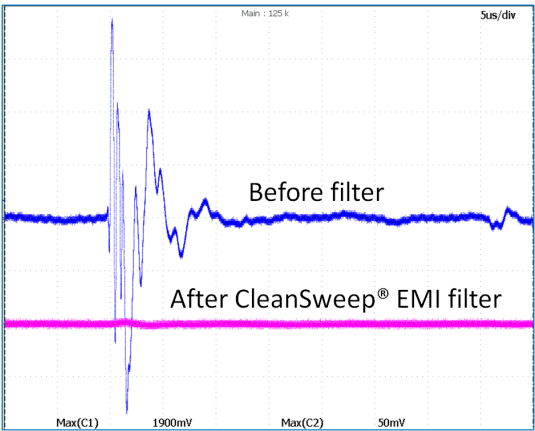
CleanSweep® PDU with Advanced Surge Protection and EMI Filtering



Specification

OnFILTER CleanSweep® rack-mounted PDUs incorporate two stages of surge transient protection and a comprehensive EMI filter utilizing proprietary technology to provide maximum noise and surge transient suppression for your sensitive electronics.

Parameter	AR Series PDU
Absolute Maximum Ratings	
Rated Voltage, RMS	250V Max.
Rated Current, RMS	20A Max. total for all outlets. Contact us for other ratings
Transient Surge Suppression	
High peak surge current rating	22kA, single 8/20μs pulse
Clamping voltage—short transients	Less than 10V (typ.)
Clamping voltage—long surges	under 640V
EMI Filtering types	
	Differential mode; Common mode; Ground
Continuous emission	
	See graphs of typical performance. (1/100 Ohms setup) actual environment)
Inlet	
Power Switch	Switch integrated with circuit breaker (20A)
Display	Voltage, current, power, energy
Dimensions	
Width (no ears)	19" rack, 2-up
Depth	17" / 432 mm
Height	8.01" / 204 mm
Weight	3.48" / 88.4 mm
	~6.5 lb / 2.95 kg



Ordering Information

Example:

AREC148FD-N520

PDU with 8 C13 outlets and a power cable with NEMA5-20 plug

The difference in models is only in the type of the outlets and the plugs at the end of the incoming power cable.

ARxxxxFD PDU Ordering Code

OUTLET	ORDERING CODE	OUTLET	ORDERING CODE
	N5156 6 Outlets		EUSK5 5 Outlets
	EUUK5 5 Outlets		CN1A5 5 Outlets
	EC148 8 Outlets		

ARxxxxx

FD

where xxxx is the above code
Check with us the type of supplied power cable



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All specifications are subject to change without notice.

