www.onfilter.com

CleanSweep®

Power Distribution Unit (PDU) with EMI Filtering and Advanced Transient Surge Protection

Clean Power Free of Transients and High-Frequency Noise

OnFILTER CleanSweep® EMI power distribution units (PDU) provide transient-free and noise-free AC power 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 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.

Applications

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

Features

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

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.

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 by reducing residual high-voltage "spikes" down to a negligible level

AREC148FD
ARN5156FD

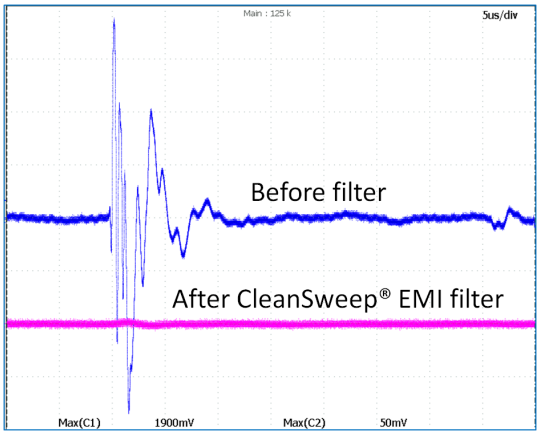
CleanSweep® PDU with Advanced Surge Protection and EMI Filtering

OnFILTER

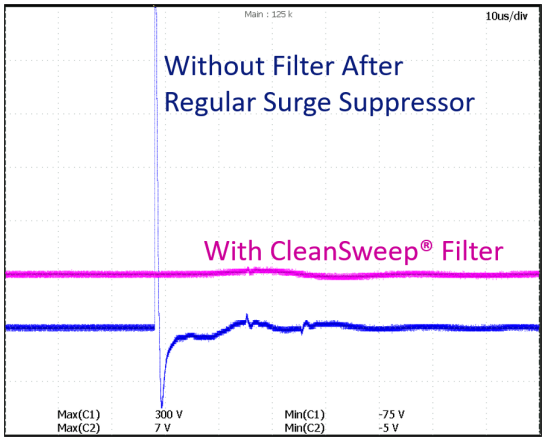
Specification

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

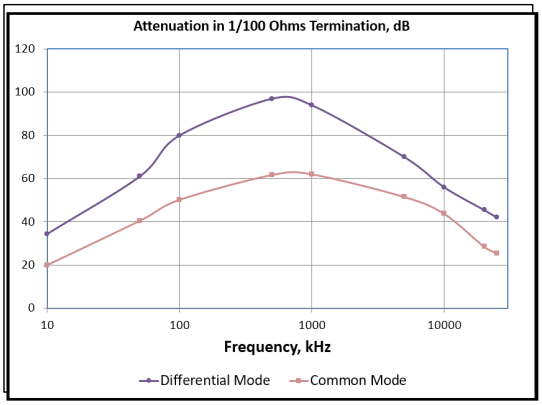
Parameter	AR Series PDU
Absolute Maximum Ratings	
Rated Voltage, RMS	250V Max.
Rated Current, RMS	20A Max. total for all outlets. Contact us for other ratings
Transient Surge Suppression	
High peak surge current rating	22kA, single 8/20μs pulse
Clamping voltage—short transients	Less than 10V (typ.)
Clamping 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	IEC 320 C20
Outlet	
AREC148FD	IEC320 C13 * 8
ARN5156FD	NEMA 5-15 * 6
Switch	Switch integrated with circuit breaker (20A)
Display	Voltage, current, power, energy
Dimensions	19” rack, 2-up
Width (no ears)	17” / 432 mm
Depth	8.01” / 204 mm
Height	3.48” / 88.4 mm
Weight	~6.5 lb / 2.95 kg



Typical Performance (Differential Mode)



Typical Power Surge Attenuation



Typical Frequency Domain Attenuation

Ordering Information

AREC148FD-xxxx

All PDUs have eight C13 outlets and a 20A circuit breaker. The difference in models is only between the plugs at the end of the incoming power cable.

Add “xxxx” - the code for the plug to the model as shown above.

CleanSweep AR Series PDU Plug Code

OUTLET	ORDERING CODE	OUTLET	ORDERING CODE	OUTLET	ORDERING CODE
NEMA 5-15	N515 ~125V 15A	NEMA 6-15	N615 ~250V 15A	SCHUKO	EUSK ~250V 16A
NEMA 5-20	N520 ~125V 20A	NEMA 6-20	N620 ~250V 20A	U.K.	EUUK ~250V 13A
NEMA L5-15	L515 ~125V 15A	NEMA L5-20	L520 ~125V 20A	NEMA L6-15	L615 ~250V 15A
NEMA L6-20	L620 ~250V 20A	309B1	309B1 IEC60309 6h (blue) ~250V 16A	BS546	BS546 ~250V 15A

Other models may be available - contact us

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All specifications are subject to change without notice. U.S. Patent 10,263,591 Made in U.S.A.