

Rackmount Isolation Transformer & Load Center Systems

NEW!

Rackmount isolation transformer systems provide protected, same-phase, isolated, and conditioned 120VAC circuits to power residential and commercial AV systems, helping prevent power and grounding issues for critical and sensitive installations



ISOCTR-5R-240/208-NS
(front view)



ISOCTR-5R-240/208-NS
(rear view)



ISOCTR-5R-240/208-2
(rear view)



A newly derived AV reference ground helps prevent ground loops and provides the lowest possible noise floor for high gain applications.

Operating at efficiencies greater than 98% and performing an automatic shutdown if hazardous input voltage conditions are detected IsoCenter™ and PowerCore™ Systems provide the critical foundation for optimal system performance. Negligible audible noise & negligible magnetic leakage (less than half that of a standard power brick) means that these systems can be installed directly inside the equipment rack, where it is most beneficial.



Spec. #
96-01118
for full
product
info.

IsoCenter models feature:

- Effective AV system isolation from electrical noise such as power line harmonics caused by lighting dimmers
- Very high efficiency toroidal transformer – greater than 98%
- Reduction in installation labor and material cost by using a higher voltage feeder and integrated branch circuit breakers
- Multiple 20 Amp branch circuits
- Hardwired branch circuit(s) provide the means to extend the ground reference benefits out to remote systems/locations
- Newly derived AV reference ground helps minimize ground loop noise and provides the lowest possible noise floor for high gain applications
- All circuits on the same phase
- 100,000 Amp 2-stage Surge & Spike Protection with dry contact surge status notification to protect connected devices against power line surges & spikes
- Automatic shutdown if hazardous over and under input voltage is detected. Auto recovery when input voltage is back within normal range
- Negligible magnetic leakage (less than half that of a standard plug in power supply) allows the system to be installed right in the rack
- Inaudible acoustical noise (27dB, C-weighted, 1M)
- Helps prevent impact of voltage induction on ground wire feeder
- 5KVA capacity, for both single and multi-rack systems

PowerCore models additionally feature:

- Integrated Power Line Conditioning filters out high frequency power line noise across all branch circuits
- Integrated & adjustable branch circuit sequencing
- Safety Ground Current Monitoring with automatic shutdown for system and life safety protection
- Equipment Ground Current Leakage monitor alerts installing technician to potential problems that may lead to AV system noise
- Remote dry-contact control of power functions, cycling, and resets
- Enhanced aesthetics for high profile installations



EP-CORE-5R-240

Part #	Capacity	Input Voltage	Surge Protected	Sequencing	Remote Branch Circuit Extension	Safety Ground Monitoring	GroundSense Technology	Load Current Metering	Racking Height	Depth	Rear Mounting Range	Termination	Finish
EP-CORE-5R-240	5kVA	240V	100,000 Amps	Yes	Yes	Yes	Yes	Yes	10-1/2" (6 space)	16-3/4"	17-1/2"-25-3/4"	NEMA L6-30P	designer inspired milled black brushed and anodized
EP-CORE-5R-208	5kVA	208V	100,000 Amps	Yes	Yes	Yes	Yes	Yes	10-1/2" (6 space)	16-3/4"	17-1/2"-25-3/4"	NEMA L6-30P	designer inspired milled black brushed and anodized
ISOCTR-5R-240-2	5kVA	240V	100,000 Amps	-	Yes	-	-	-	7" (4 space)	14-3/8"	17-3/8" - 24-3/8"	NEMA L6-30P	black powder coat
ISOCTR-5R-208-2	5kVA	208V	100,000 Amps	-	Yes	-	-	-	7" (4 space)	14-3/8"	17-3/8" - 24-3/8"	NEMA L6-30P	black powder coat
ISOCTR-5R-240-NS	5kVA	240V	-	-	-	-	-	-	7" (4 space)	14-3/8"	17-3/8" - 24-3/8"	NEMA L6-30P	black powder coat
ISOCTR-5R-208-NS	5kVA	208V	-	-	-	-	-	-	7" (4 space)	14-3/8"	17-3/8" - 24-3/8"	NEMA L6-30P	black powder coat



PowerCore™ Isolation Transformer

PowerCore Systems helps eliminate most common causes of hum and buzz including lighting system dimming noise, helps remove ground loop problems and prevents most control system reboots and lockups. Properly installed, PowerCore Systems eliminate the need for expensive rackmount surge/spike protection and power conditioners while providing dedicated power circuits for not only AV in the rack, but also for phone and security systems and TV's in bedrooms.

Basic operation

A standard 240VAC or 208VAC feed is transformed into all in-phase 120VAC outputs with a new reference ground. PowerCore comes with an integrated main breaker/disconnect, and integrated branch circuit load center. StrikeShield™ surge protection and integrated power conditioning filter are pre-installed at the factory. Four standard sizes are available: 7.5 kVA – 25 kVA (62A to 208A output at 120VAC). Prewired, this compact unit is ready to be quickly installed.

Part #	Description
EP-CORE-25-240 EP-CORE-25-208	25kVA, PowerCore with Surge Protection and Filtering (240V and 208V inputs)
EP-CORE-15-240 EP-CORE-15-208	15kVA, PowerCore with Surge Protection and Filtering (240V and 208V inputs)
EP-CORE-10-240 EP-CORE-10-208	10kVA, PowerCore with Surge Protection and Filtering (240V and 208V inputs)
EP-CORE-7.5-240 EP-CORE-7.5-208	7.5kVA, PowerCore with Surge Protection and Filtering (240V and 208V inputs)



25 kVA stand-alone model shown

PowerCore™ with Integrated UPS

New combination is an industry-first, and provides unique capabilities

New offering combines the award-winning PowerCore isolation transformer systems from Exact Power with the latest version of the Middle Atlantic UPS tailored for AV to provide a unique new end-to-end power delivery system. This new system not only provides isolated, same-phase, conditioned power for your whole-house AV systems, but also adds backup power to entire branch circuits and provides web-enabled remote power functions.

- Centrally located hardwired UPS units back up branch circuits to replace local UPS units
- Remote IP outlet monitoring and control allows web-based troubleshooting and rebooting of specific devices
- System-wide surge and spike protection is built in
- All branch circuits are same-phase
- System is expandable and can be tailored to have the needed backed-up circuits & runtimes
- If you don't see the configuration you need below, call us and we can help

Part #	Capacity	2200VA UPS Qty/ Backed Branch Circuits	Dimensions H x W x D
CORE-7.5-240-U1	7.5kVA	1	59" x 22" x 26"
CORE-10-240-U1	10kVA	1	59" x 22" x 26"
CORE-10-240-U2	10kVA	2	59" x 22" x 26"
CORE-15-240-U1	15kVA	1	74" x 22" x 26"
CORE-15-240-U2	15kVA	2	74" x 22" x 26"
CORE-15-240-U3	15kVA	3	74" x 22" x 26"
CORE-25-240-U1	25kVA	1	74" x 22" x 26"
CORE-25-240-U2	25kVA	2	74" x 22" x 26"
CORE-25-240-U3	25kVA	3	74" x 22" x 26"
CORE-25-240-U4	25kVA	4	74" x 22" x 26"



shown with 2 UPS systems and 3 expansion battery packs for extended run time



as shown: 25kVA with integrated surge and spike protection

Don't see the combination you need? Contact us for assistance.

