



Features Matrix

All Products

PRODUCT FEATURES	Series:	IS	RM	AVR
	Amperage:	2A-8A @ 220-240V	2A-45A @ 220-240V	4A-45A @ 220-240V
	Cabinet Style ¹ :	RK, CS, CB	RK, CS, CB, WM	RK, CS, CB, WM
True Isolation from mains via Plitron Toroidal Isolation Transformer		✓	✓	✓
Noise Filtering / Clean Power using patented Plitron Narrow Bandwidth Technology		✓	✓	✓
High Instantaneous Current Capability		✓	✓	✓
Series Mode Surge Suppression (up to 6000V, 3000A, 1000 times)			✓	✓
Automatic Voltage Regulation (AVR & AVR2)				✓
Remote Monitoring & Control				✓
TVSS (Transient Voltage Spike and Surge Suppression)			Optional for WM	Optional for WM

¹Cabinet Style:
 • RK = Rack Mount • CB = Anodized Black Aluminum
 • CS = Brushed Aluminum • WM = Wall Mount

Additional Product Information:
 • 5 Year Warranty
 • Designed and Manufactured in North America, Canada

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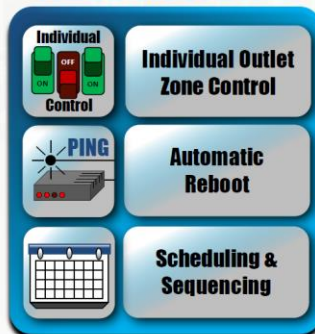


AVR2 Series

Automatic Voltage Regulation 2

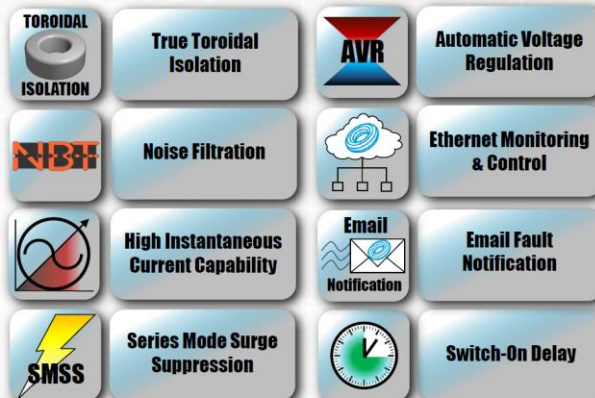


NEW IN AVR2



Up to 5 zones for 3U models
 Up to 8 zones for 4U and 5U models


AVR upgradable to AVR2 through Manufacturer




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Prisliste

Benkmodeller		Veggmodeller	
IS 4 CE BX 4	kr 16.000,-	WM 30	kr 59.000,-
IS 8 CE CS 8	kr 25.500,-	WM 30 SS	kr 66.000,-
		WM 50	kr 77.000,-
RM 8 CE CS	kr 30.900,-	WM 50 SS	kr 86.000,-
RM 16 CE CS 16	kr 38.900,-		
AVR 16 CE CS	kr 46.900,-	WM 30 AVR	kr 73.000,-
AVR2 8 CE RK	kr 43.500,-	WM 30 AVR SS	kr 80.000,-
AVR2 16 CE RK	kr 51.500,-	WM 45 AVR	kr 99.000,-
AVR2 30 CE RK	kr 69.900,-	WM 45 AVR SS	kr 102.000,-
		WM 30 AVR2	kr 78.000,-
		WM 30 AVR2 SS	kr 85.000,-
		WM 45 AVR2	kr 98.000,-
		WM 45 AVR2 SS	kr 106.000,-




TECHNOLOGY




1. True Isolation

- Torus Power provides true isolation from the external power grid via Plitron toroidal isolation transformer.




2. Noise Attenuation - NBT

- Narrow Bandwidth Technology (NBT) uses the toroid as a low pass filter.
- Attenuation from 2kHz to 1MHz at 12dB/decade up to 500kHz.
- Torus Power does not use passive current-limiting filter banks to achieve attenuation.




3. High Instantaneous Current Capability

- Torus Power can supply high levels of instantaneous power. This is achieved through an optimally designed transformer which is capable of providing clean and least obstructed power flow.
- Dynamic loads like amplifiers perform better when they don't have to struggle to get sufficient power from the wall.




4. Series Mode Surge Suppression (SMSS)

- Meets IEEE C62.41 1991 (6000V, 3000A, 1000 times)
- Torus Power SMSS absorbs the surge in the toroid and slowly bleeds it to the loads, preventing ground contamination.
- Torus Power SMSS does not shunt surges to ground like MOVs.
- SMSS uses all non-sacrificial components (does not require replacement or repair after large surges)




5. Automatic Voltage Regulation (AVR)

- Maintains system voltage at 220V, 230V or 240V +/- 10V with incoming voltage from 170V to 270V.
- Start-up Delay as an additional safety feature to protect against extreme voltage conditions (outside threshold of 170V to 270V).
- Programmable automatic shut-off during extreme voltage.




6. Ethernet Monitoring & Control


- Electrical parameters (Voltage In/Out & Current Draw) may be monitored on the Torus Power, or via any web browser on the local network.
- Email Fault Notification in the event of system fault
- Switch-On Safety Delay
- Power cycling (on/off) via web browser interface (all outlets for AVR, individual zones for AVR2)
- Scheduler and Sequencer
- Auto Reboot when internet is lost



TECHNOLOGY


AVR & AVR2 Series Ethernet Monitoring & Control Features






Email Fault Notification

- Notification Email in event of extreme voltage
- High Voltage > 270V.
- Low voltage is <170V.
- Available in AVR & AVR2 models




Individual Zone Control

- Individually addressable outlet zones :
 - 5 zones for 3U models
 - 8 zones for 4U and 5U models
- Available in AVR2 models




Auto Reboot

- Outlet will automatically reboot if Torus Power detects a loss of internet connection.
- Designed to reboot the modem and/or router to regain connection
- Available in AVR2 models



Switch-On Safety Delay

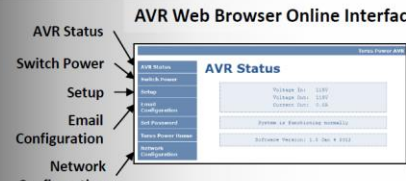
- When power is restored or turned on, Torus power waits 2 seconds prior to engaging the circuit to ensure safe line conditions.
- Available in AVR & AVR2 models



Scheduler & Sequencer

- Scheduler: Each zone may be programmed with 6 on or off events per day, seven days per week.
- Power-up sequencing with selectable delay times between zones.
- Scheduler remains active even when internet connection is lost, so long as unit is powered.
- Sequencing available via Scheduler as well
- Available in AVR2 models

AVR Web Browser Online Interface



The screenshot shows the AVR Status page with fields for Voltage In, Voltage Out, Current, and Power. It also includes a sidebar with links for AVR Status, Switch Power, Setup, Email Configuration, and Network Configuration.

Hvor kraftig Torus?

Summer antall watt alle forsterkerne som skal kobles til Torusen yter og multipliser dette med 0,8. Del deretter på 240.

Noen eksempler:

Forsterkerne yter totalt 1000 watt. Dette gir: $1000 * 0,8 / 240 = 3,3$. Ut i fra ytelse kan du kjøpe IS 4 CE.

Forsterkerne yter totalt 1500 watt. Dette gir: $1500 * 0,8 / 240 = 5$. Ut i fra ytelse kan du kjøpe IS 8 CE eller AVR2 8 CE RK.

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