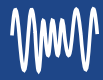


RideThru Voltage Regulator



Undervoltage
Solutions



BONITRON

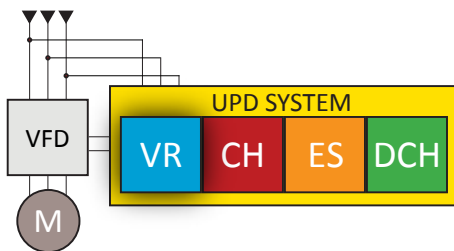
M3534 Series

Bonitron Undervoltage RideThru Solutions, also known as Uninterruptible Power for Drives, include a DC Voltage Regulator (M3534) that monitors the drive. If the drive voltage sags or disappears, the Voltage Regulator becomes active and provides power to the DC bus. This allows critical processes to never see the disturbance and can continue operating at full power. Thanks to Bonitron's parallel connection, very low standby power and long product life can be expected.

The **M3534R** is a Voltage Regulator that protects drives and processes from 2-second power sags. It can also be used with energy storage, such as electrolytic or ultracapacitors, to protect from outages lasting up to 2 seconds.

The **M3534B** is a Battery Voltage Regulator that is used with energy storage, such as batteries, to protect drives and processes from outages lasting up to 60 seconds to allow time for generator startup. With seamless power transfer, the M3534B (with appropriate components - M3528 Charger and Batteries) allows seamless power transfer from the grid, to Bonitron, to generator.

For ratings above 85A or 60 seconds, see the M3460 Series.

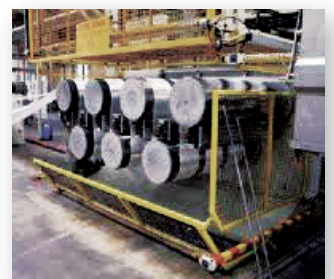


Product Highlights

M3534B & M3534R

- Hooks directly to drive DC bus connections
- Parallel connection for increased reliability
- On-line test without impacting process
- Small footprint
- Increased process availability

Industry Applications



Critical Data | Elevators | Extrusion | Fibers | Semiconductor | Solar Power | Textiles | Wind Power | & More!



www.bonitron.com



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Model Number Selection

	Current	Power	Max. On-Time (at rating)	Model Number	Dimensions (H x W x D)	
230 - 240 VAC						
	20 A	6 kW	2 Seconds	M3534R-L006-A5-I3	18.60" x 5.10" x 9.40"	
	40 A	12 kW	2 Seconds	M3534R-L012-K7-I3	20.00" x 7.40" x 10.30"	
			60 Seconds	M3534B-L012-K9-I3	20.00" x 9.10" x 10.30"	
	85 A	25 kW	2 Seconds	M3534R-L025-A9-I3	22.10" x 8.70" x 10.30"	
380 - 415 VAC						
	20 A	10 kW	2 Seconds	M3534R-E010-A5-I3	18.60" x 5.10" x 9.40"	
	40 A	20 kW	2 Seconds	M3534R-E020-K7-I3	20.00" x 7.40" x 10.30"	
			60 Seconds	M3534B-E020-K9-I3	20.00" x 9.10" x 10.30"	
	85 A	43 kW	2 Seconds	M3534R-E043-A9-I3	22.10" x 8.70" x 10.30"	
460 - 480 VAC						
	20 A	12 kW	2 Seconds	M3534R-H012-A5-I3	18.60" x 5.10" x 9.40"	
	40 A	24 kW	2 Seconds	M3534R-H024-K7-I3	20.00" x 7.40" x 10.30"	
			60 Seconds	M3534B-H024-K9-I3	20.00" x 9.10" x 10.30"	
	85 A	50 kW	2 Seconds	M3534R-H050-A9-I3	22.10" x 8.70" x 10.30"	

Uninterruptible Power for Drives (UPD)

Parallel Connection

- High Reliability
- Seamless power transfer

Increased Efficiency

- Ultra low standby power
- Sized to drive systems
- Few AC/DC conversions

Specifications

Input AC Line.....208 - 480 VAC

Output DC Bus.....265 - 650 VDC

Bus Current Rating.....20 – 85 ADC

Power Rating.....6 - 50 kW

Run Time.....2 seconds – 60 seconds



Digital Display

The ASM 3660DD4 is an interactive digital display for the 3460 Series that monitors and stores history of power quality issues, including status, voltage, and current.



Scan for more
Information

Additional UPD Solutions



Chargers

Bonitron M3528 Chargers maintain energy levels in batteries and ultracapacitors.

- Adjustable current limit
- LED indicators
- Isolated status contacts



Dischargers

The M3628 Series discharges capacitor banks to safe working levels quickly.

- Self-powered from DC bus or 24VDC external source
- Increased safety
- Typically sized to discharge to 50V in 1 minute
- LED indicators

