

Key: ✓ - Standard    ✓ - Optional    ⓧ - Not Available



	PMT	UMR-AA	UMR-A	UMR-A-10000 to UMR-A-40000
Price	\$	\$\$	\$\$	\$\$
Size	~0.83in <sup>3</sup>	~3.35in <sup>3</sup>	~4.27in <sup>3</sup>	~4.27in <sup>3</sup> to ~17.92in <sup>3</sup>
Maximum Output Voltage (Positive or Negative)	1,500VDC	6,000VDC	6,000VDC	40,000VDC
Maximum Output Power	1W	30W	30W	30W
Input Voltage (Nominal)	12 or 24VDC	12 or 24VDC	12 or 24VDC	12 or 24VDC

Features	PMT	UMR-AA	UMR-A	UMR-A-10000 to UMR-A-40000
Adjustable Output Voltage (Analog)	✓	✓	✓	✓
Voltage Monitor (Analog)	✓	✓	✓	✓
Current Monitor (Analog)	✓	✓	✓	✓
Low Ripple	✓	✓	✓	✓
Adjustable Output Current Limit (Analog)	ⓧ	✓	✓	✓
Buffered and Scaled Monitors and Controls	ⓧ	✓	✓	✓
5 or 10 VDC Signal Controls	ⓧ	✓	✓	✓
Mode Indication (Voltage or Current Regulation)	ⓧ	✓	✓	✓
Optimized for Capacitor Charging	ⓧ	ⓧ	ⓧ	ⓧ

Digital Features	PMT	UMR-AA	UMR-A	UMR-A-10000 to UMR-A-40000
Fully Digital Microprocessor Based Control Topology	ⓧ	ⓧ	ⓧ	ⓧ
Serial Communications with Multidrop Support	ⓧ	ⓧ	ⓧ	ⓧ
Logging of Performance and Environmental Statistics	ⓧ	ⓧ	ⓧ	ⓧ
User Settable or Factory Preloaded	Settable Output Performance (Voltage & Current)	ⓧ	ⓧ	ⓧ
	Settable Fault Recovery Behavior	ⓧ	ⓧ	ⓧ
	Settable Enable Condition	ⓧ	ⓧ	ⓧ
	Expandable Functionality Through GPIO Pins	ⓧ	ⓧ	ⓧ
Factory Configurable	Adjustable Rise Time	ⓧ	ⓧ	ⓧ
	Adjustable Soft Start	ⓧ	ⓧ	ⓧ
	Adjustable Temperature Limit	ⓧ	ⓧ	ⓧ
	Adjustable Temperature Limit	ⓧ	ⓧ	ⓧ
Customizable Firmware For Specific Needs	ⓧ	ⓧ	ⓧ	ⓧ

Hardware Configurations	PMT	UMR-AA	UMR-A	UMR-A-10000 to UMR-A-40000
Low Temperature Coefficient	ⓧ	✓	✓	✓
Flying Lead Output	ⓧ	✓	✓	✓
Enhanced Output Ripple Filter	ⓧ	ⓧ	✓	ⓧ
Mu-Metal Shielding	ⓧ	✓	✓	✓
Eared Mounting Plate	ⓧ	✓	✓	✓
Heatsink	ⓧ	✓	✓	✓
RF Tight Aluminum Enclosure	ⓧ	ⓧ	✓	✓

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	UMR-C	UMR-HPC	UMR-BPC	SPS
Price	\$\$	\$\$\$	\$\$\$	\$\$\$
Size	~4.27in <sup>3</sup>	~19.08in <sup>3</sup> to ~84.5in <sup>3</sup>	~38.16in <sup>3</sup>	~10.43in <sup>3</sup>
Maximum Output Voltage (Positive or Negative)	6,000VDC	30,000VDC	+/- 6,000VDC	6,000VDC
Maximum Output Power	30W	250W	250W	30W
Input Voltage (Nominal)	24VDC	24VDC	24VDC	24VDC

Features	UMR-C	UMR-HPC	UMR-BPC	SPS
Adjustable Output Voltage (Analog)	✓	✓	✓	✓
Voltage Monitor (Analog)	✓	✓	✓	✓
Current Monitor (Analog)	✓	✓	✓	✓
Low Ripple	ⓧ	ⓧ	ⓧ	✓
Adjustable Output Current Limit (Analog)	ⓧ	ⓧ	ⓧ	✓
Buffered and Scaled Monitors and Controls	ⓧ	ⓧ	ⓧ	✓
5 or 10 VDC Signal Controls	ⓧ	ⓧ	ⓧ	✓
Mode Indication (Voltage or Current Regulation)	ⓧ	ⓧ	ⓧ	✓
Optimized for Capacitor Charging	✓	✓	✓	✓

Digital Features	UMR-C	UMR-HPC	UMR-BPC	SPS	
Fully Digital Microprocessor Based Control Topology	ⓧ	ⓧ	ⓧ	✓	
Serial Communications with Multidrop Support	ⓧ	ⓧ	ⓧ	✓	
Logging of Performance and Environmental Statistics	ⓧ	ⓧ	ⓧ	✓	
User Settable or Factory Preloaded	Settable Output Performance (Voltage & Current)	ⓧ	ⓧ	✓	
	Settable Fault Recovery Behavior	ⓧ	ⓧ	✓	
	Settable Enable Condition	ⓧ	ⓧ	✓	
	Expandable Functionality Through GPIO Pins	ⓧ	ⓧ	ⓧ	✓
Factory Configurable	Adjustable Rise Time	ⓧ	ⓧ	ⓧ	✓
	Adjustable Soft Start	ⓧ	ⓧ	ⓧ	✓
	Adjustable Temperature Limit	ⓧ	ⓧ	ⓧ	✓
	Adjustable Temperature Limit	ⓧ	ⓧ	ⓧ	✓
Customizable Firmware For Specific Needs	ⓧ	ⓧ	ⓧ	✓	

Hardware Configurations	UMR-C	UMR-HPC	UMR-BPC	SPS
Low Temperature Coefficient	✓	✓	✓	ⓧ
Flying Lead Output	✓	ⓧ	ⓧ	✓
Enhanced Output Ripple Filter	ⓧ	ⓧ	ⓧ	ⓧ
Mu-Metal Shielding	✓	ⓧ	ⓧ	✓
Eared Mounting Plate	✓	ⓧ	ⓧ	✓
Heatsink	✓	✓	✓	✓
RF Tight Aluminum Enclosure	✓	✓	✓	ⓧ