

STANDARD POWER SUPPLY FEATURE COMPARISON



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



	PMT	UMR-AA	UMR-A	UMR-C	SPS
Price	\$	\$\$	\$\$	\$\$	\$\$\$
Size	~0.83 in ³	~3.35 in ³	~4.27 in ³	~4.27 in ³	~10.43 in ³
Maximum Output Voltage (Positive or Negative)	1,500 VDC	6,000 VDC	6,000 VDC	6,000 VDC	6,000 VDC
Maximum Output Power	1 W	30 W	30 W	30 W	30 W
Input Voltage (Nominal)	12 or 24 VDC	12 or 24 VDC	12 or 24 VDC	24 VDC	24 VDC

Features

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

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 and 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

Low Temperature Coefficient	ⓧ	✓	✓	✓	ⓧ
Flying Lead Output	ⓧ	✓	✓	✓	✓
Enhanced Output Ripple Filter	ⓧ	ⓧ	✓	ⓧ	ⓧ
Mu-Metal Shielding	ⓧ	✓	✓	✓	✓
Eared Mounting Plate	ⓧ	✓	✓	✓	✓
Heatsink	ⓧ	✓	✓	✓	✓
RF Tight Aluminum Enclosure	ⓧ	ⓧ	✓	✓	ⓧ