

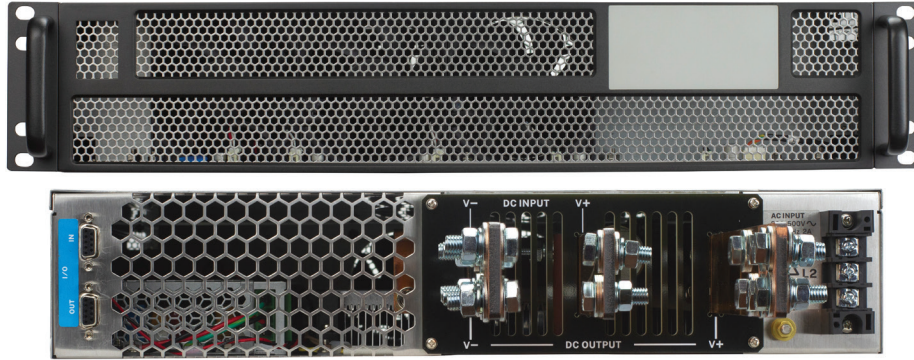
Reverse Protection Unit HMRPU Series



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When working with motors, transformers, or other inductive loads, the HMRPU Series reverse protection units safeguard your DC power supply from reverse voltage and inductive kickback. The protection unit architecture consists of a blocking diode and free-wheeling diode (Figure 1) capable of protecting multiple power supplies connected in parallel. Compatible with B&K Precision HMR Series, MR Series, and HPS Series DC Power Supplies.

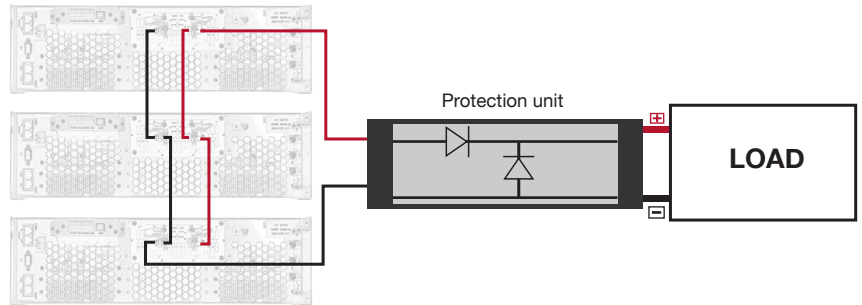


Figure 1

Model		HMRPU180	HMRPU540
Rated Voltage		1950 V	1050 V
Rated Current		180 A	540 A
Power		300 W, dissipation from diode and fuse	800 W, dissipation from diode and fuse
Fuse		350 A (fast acting)	
Protection		OCP (350 A fuse), OTP, fan failure (disables power supply output due to fan fault)	OCP (700 A fuse), OTP, fan failure (disables power supply output due to fan fault)
Insulation	Primary-GND	2.5 kV	
	Secondary-GND	3 kV	1.5 kV
Interface	I/O Port	9 pin D-Sub (used for parallel operation)	
General			
AC Line Input	Nominal	220 VAC, 47 Hz to 63 Hz	200 to 415 VAC, 47 Hz to 63 Hz, 3-phase
	Power Consumption	20 W	30 W
	Fuse	500 V / 2 A (fast acting)	
Temperature Ratings	Operation	32 °F to 122 °F (0 °C to 50 °C)	
	Storage	-4 °F to 158 °F (-20 °C to 70 °C)	
	Operating Humidity	30% to 80% relative humidity	
	Storage Humidity	10% to 80% relative humidity	
Altitude Rating		2000 m	
Installation		Intended for use in standard 19" rack	
Dimensions (W x H x D)		19" x 3.5" x 32.7" (482 x 88 x 830.1 mm)	19" x 5.2" x 33" (482 x 132 x 838.6 mm)
Weight		34.4 lbs (15.6kg)	54.9 lbs (24.9kg)