

**Rapid-X Air-Cooled Modular Power Supply**

## **Cost-effective, quality power that's easy to expand and repair**

**Our Rapid-X Air-Cooled Modular Power Supply combines reliability and longevity with greater flexibility, faster delivery, and lower cost. It features a stackable modular design, front-to-back cooling, and a dedicated air-cooling channel.**

Compact and scalable, the air-cooled Rapid-X Air-Cooled Modular Power Supply combines the benefits of modular switch mode design with the repairability of 'monument' style switchmodes, allowing you to focus on applying the product to your process, not changing your process to fit our product. Available in seven cabinet sizes, it's designed to be the most versatile switch mode power supply you've ever owned.

For maintenance, individual modules can be pulled from the unit and serviced separately, giving you maximum flexibility over the systems that power your process.

Base configuration comes standard with an Ethernet IP port and Dynapower's integral Touchscreen Controller.

### **System Advantages**

- Easy to service with access only required from the front
- Wide range of configuration options, including multi-tower configuration and multiple-in-one configuration



## TECHNICAL SPECIFICATIONS

### Electrical

AC Input	400V <sub>AC</sub> , 3P, 60Hz 440V <sub>AC</sub> , 3P, 60Hz 480V <sub>AC</sub> , 3P, 60Hz
Output Voltage:	6-200V <sub>DC</sub> (see matrix below)
Output Amps:	1000-19,000A <sub>DC</sub> per cabinet (see matrix below)
Ripple:	≤3% at full output
Regulation Range:	10-100% of rated output
Control Precision:	Voltage/current at +/- 1%

### Environmental

Cooling:	Air Cooled, Front to Back
Enclosure:	IP 32
Max Ambient:	40°C

### Communications Interface

Ethernet IP

### Protection Features

Short Circuit	In-Rush Current
Over-Current	Electronic Peak Current Detector
Over-Voltage	Environmental Alarm
Under-Current	Ambient Temperature Alarm
Under-Voltage	Module Failure Alarm
Over-Temperature	

### Control Options



#### Single-Unit Touchscreen Controller:

A programmable touchscreen controller designed to give users maximum control.



#### Multi-Unit Touchscreen Controller:

Control up to 10 rectifiers from a single intuitive touchscreen interface.



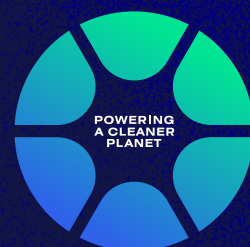
#### PC-Based Process Controller:

Graphical interface PC application designed for process control of 1 to 10 rectifiers.

## CONFIGURATION OPTIONS

### DC Output Amps

		Module Quantity															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Volts	6	1200	2400	3600	4800	6000	7200	8400	9600	10800	12000	13200	14400	15600	16800	18000	19200
	10	1200	2400	3600	4800	6000	7200	8400	9600	10800	12000	13200	14400	15600	16800	18000	19200
	12	1200	2400	3600	4800	6000	7200	8400	9600	10800	12000	13200	14400	15600	16800	18000	19200
	16	1200	2400	3600	4800	6000	7200	8400	9600	10800	12000	13200	14400	15600	16800	18000	19200
	18	1100	2200	3300	4400	5500	6600	7700	8800	9900	11000	12100	13200	14300	15400	16500	17600
	20	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000
	25	800	1600	2400	3200	4000	4800	5600	6400	7200	8000	8800	9600	10400	11200	12000	12800
	30	660	1320	1980	2640	3300	3960	4620	5280	5940	6600	7260	7920	8580	9240	9900	10560
	35	570	1140	1710	2280	2850	3420	3990	4560	5130	5700	6270	6840	7410	7980	8550	9120
	40	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000
	45	444	888	1332	1776	2220	2664	3108	3552	3996	4440	4884	5328	5772	6216	6660	7104
	50	400	800	1200	1600	2000	2400	2800	3200	3600	4000	4400	4800	5200	5600	6000	6400
	60	334	668	1002	1336	1670	2004	2338	2672	3006	3340	3674	4008	4342	4676	5010	5344
	70	286	572	858	1144	1430	1716	2002	2288	2574	2860	3146	3432	3718	4004	4290	4576
	80	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000
	90	222	444	666	888	1110	1332	1554	1776	1998	2220	2442	2664	2886	3108	3330	3552
	100	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200
	110	182	364	546	728	910	1092	1274	1456	1638	1820	2002	2184	2366	2548	2730	2912
	120	166	332	498	664	830	996	1162	1328	1494	1660	1826	1992	2158	2324	2490	2656
	150	134	268	402	536	670	804	938	1072	1206	1340	1474	1608	1742	1876	2010	2144
	200	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600



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