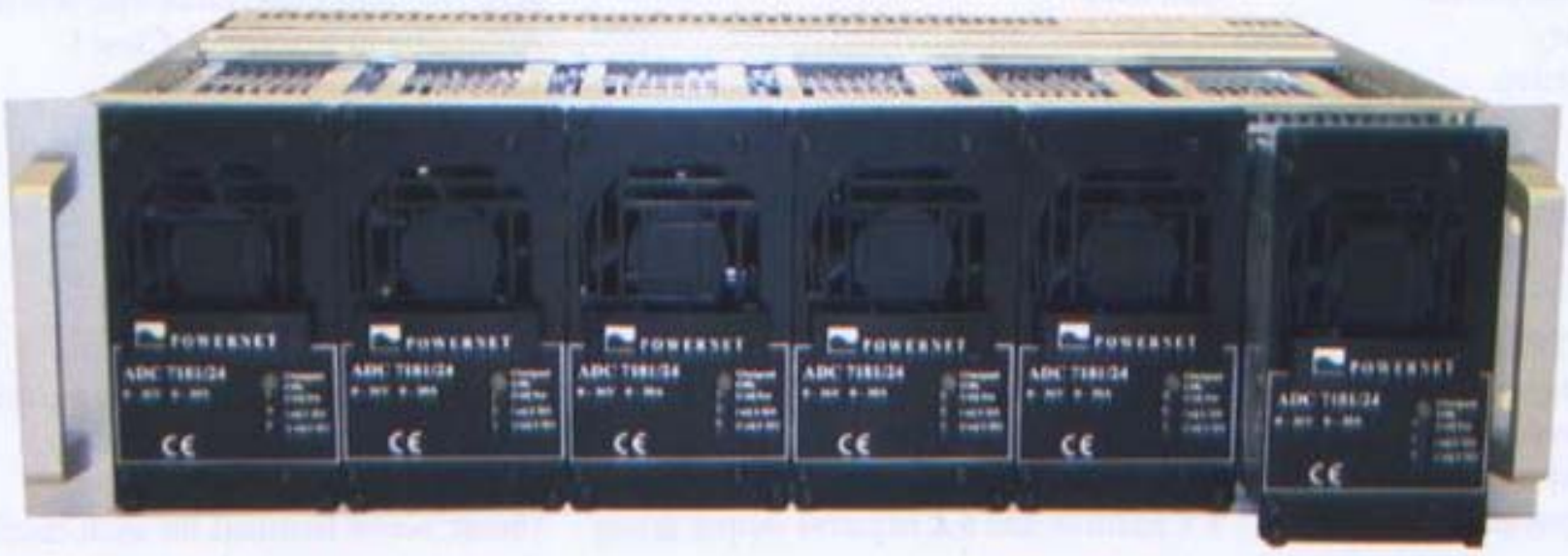
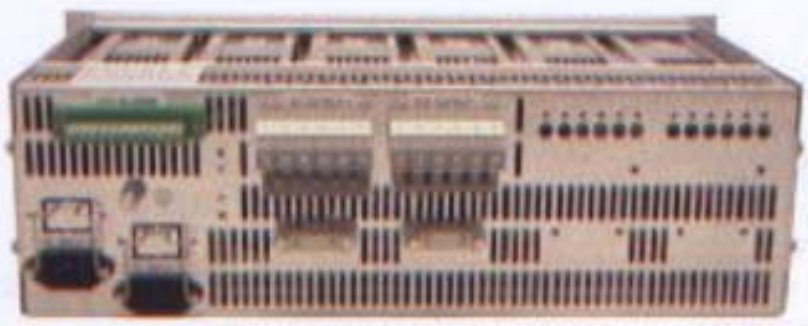
MSR 4800W

Multi purpose Power System for Telecom and Industrial Applications



4800 W modular system

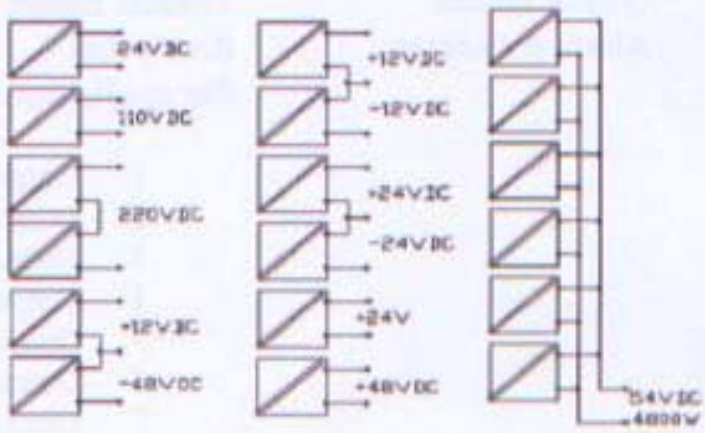
All voltages available 0…144VDC per module
U and I adjustable from 0 to max value
Hot-swap plug-in modules
Power supply or battery charging applications
Module alarm for remote monitoring
Solid construction for heavy duty applications



Flexible connections

Parallel n+1 connection, up to 180A
Series connection, up to 500VDC
Multi outputs, ± outputs

Connection examples



19" SUB-RACK UNITS			
Type	Modules per rack	Power	Mechanics (w x h x d)
MSR7650	1…6 pcs	800W…4800W	19" (482mm) / 3U (133mm) / 330mm (+handle 40mm)

81718710	Covering plate set for empty module place 14TE 3U
70130753	IEC320 power cord 2.5m, rubber cable

RECTIFIER MODULES							
Type	Input voltage *)	Nominal Output Voltage	Voltage Setting Range	Max Output Current	Current Limit Setting	Max Power	Mechanics (w x h x d)
ADC7181/24	50…260 VAC	24 VDC	0-36VDC	30 A	0-30A	800W	14TE / 3U / 230mm
ADC7181/36	50…260 VAC	36 VDC	0-54VDC	20 A	0-20A	800W	14TE / 3U / 230mm
ADC7181/48	50…260 VAC	48 VDC	0-72VDC	15 A	0-15A	800W	14TE / 3U / 230mm
ADC7181/72	50…260 VAC	72 VDC	0-108VDC	10 A	0-10A	800W	14TE / 3U / 230mm
ADC7181/96	50…260 VAC	96 VDC	0-144VDC	7.5A	0-7.5A	800W	14TE / 3U / 230mm

*) Also DC input 50…260VDC, max power 600W
Reduced power 50…200VAC or 50…200VDC

POWERNET

POWER PARTNER

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INPUT

Input voltage	50…260 VAC	50…200VAC reduced power
	50…260 VDC / max 600W	50…200VDC reduced power
Frequency		45...65Hz
Input current		Max 4.5A
Inrush current	Soft start	max 7A 10ms peak, otherwise less than 4.5A
Safety		According to EN60950, Class I
Isolation	Input / ground	1500VAC
	Input / outputs	3750VAC
	Output / ground	500VDC
Mains input connector	2 pcs of IEC320 sockets	3 rectifiers per group

OUTPUT

Voltage	Nominal voltages	0…144VDC / max 800W per module
Current	Nominal current per module	0…30A / max 800W per module
Short circuit protection	The modules are short circuit protected	
Output connector	6 x positive and 6 x negative output group	10mm^2 screw terminal for each rectifier short-circuit contact for parallel operation
Hot swap	Serial diode in each rectifier	Hot-swap allowed
Serial/parallel operations	All modules can be connected in serial or in parallel	

ALARMS

Output failure	Module failure	Relay contact
Alarm connector	Rear panel	Removable 12-pole 2.5mm^2 screw terminal
	Pin configurations	

1	Output alarm PSU1 COMMON
2	Output alarm PSU1 NO *)
3	Output alarm PSU2 COMMON
4	Output alarm PSU2 NO *)
5	Output alarm PSU3 COMMON
6	Output alarm PSU3 NO *)
7	Output alarm PSU4 COMMON
8	Output alarm PSU4 NO *)
9	Output alarm PSU5 COMMON
10	Output alarm PSU5 NO *)
11	Output alarm PSU6 COMMON
12	Output alarm PSU6 NO *)

*) NO = Normally Open
Normally = Mains / PSU OK

NC contacts also available, type MSR7651

MECHANICAL

Power Rack	19" sub-rack	Positions for 6 pcs of ADC7181 euro modules
Dimensions	Height	3U (88mm)
	Width	19" (482mm)
	Depth	330mm (+ handle 40mm)
Weight	Rack without rectifiers	4.0 kg
	Rectifier	1.35kg/unit
Enclosure	Steel	IP20

ENVIRONMENTAL

Temperature range	Operating	-25°C...+50 °C (full power typically) +50°C...+70 °C (derating)
	Storage	-40°C...+85 °C
Cooling	Temperature controlled fan	Front panel
Grounding	M6 screw	On the rear panel

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