3G Access Power Solutions - APS3 and APS6 Series

Features

- 19" sub-rack
- Modular 3U and 6U options
- Up to 6 rectifier modules
- Pre-configured software
- High power density (24/48V: 300/225A, 6U, 19")
- Multiple AC option (1Ø, 3Ø, 2Ø)
- Fast on-line expansion of rectifiers (hot-swap)
- High efficiency and unity power factor
- Priority and non priority options for DC distributions

24V secure DC power up to 8.64kW

The **Eaton® 3G Access Power Solutions** are ideal for low to medium power telecommunications applications, offering compact, efficient, flexible and reliably secure DC power supply.

These 19" rack mount systems are available with up to 3 or 6 of the Eaton 3G Access Power Rectifier modules as either 24V or 48V with output up to 300A or 225A (respectively).

The systems also include an integral DC distribution panel and the versatile SC200 series of system controller with Ethernet, GSM cellular (including text messaging), standard modem and TCP/IP communications options. The SC100 is also available.

48V secure DC power up to 10.8kW

Other features include temperature compensated voltage output for better battery life, a wide range of circuit breaker configurations and optional low voltage disconnect (LVD) modules.

Typical applications include providing secure power for customer premises equipment, roadside terminals, data networks and IP routers. The 3G Access Power Solutions are pre-configured and all system settings are fully adjustable in software and stored in transferable, configuration files for repeatable and quick one-step system set-up.

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Technical Specifications

Input

AC Supply	100 – 240V, 50 – 60Hz (nominal) 175 – 275V full power output upto 50°C [122°F] 90 – 175V reduced power output
Power Factor	>0.99 (50 – 100% Output Current) †
Efficiency	92% (50 – 100% Output Current) †

Output

DC Output Voltage Range	20V – 58V	
DC Output Power (maximum) †	APS3-300	48V: 5.4kW 24V: 4.32kW
	APS6-300	48V: 10.8kW
	APS6-500	48V: 10.8kW 24V: 8.64kW

Environmental

Operating Temperature Range*	-40°C to +70°C [-40°F to +158°F] * Refer to rectifier data sheet for more information. Output current is derated above 50°C [122°F] and below -10°C [14°F]

Mechanical

Dimensions H,W,D	APS3-300: 3U, 19″ mounting, 306mm [12″]* APS6-300: 6U, 19″ mounting, 306mm [12″]* APS6-500: 6U, 19″ mounting, 306mm [12″]* *Additional clear space is required for exhaust air.*

System

System Controller	SC200 or SC100	
DC Distribution Module	APS3-300:	12-way circuit breakers (2 x battery, 10 x load)
	APS6-300:	20-way circuit breakers (4 x battery, 16 x load)
	APS6-500:	20-way circuit breakers (4 x battery, 16 x load)
Communication Features	USB direct 10BaseT Ethernet, TCP/IP, SNMP, On board web server RS232 to external PSTN or GSM modem (modem not included)	
Low Voltage Disconnect (LVD)	APS3-300:	optional battery LVD
	APS6-300:	optional 200A LVD's for battery or load, or both.
	APS6-500:	optional 400A LVD's for battery or load, or both.
Rectifier Blank Panels	For unused rectifier positions	
Options	External Surge Protection	

† *Power factor, efficiency and output power is dependant on rectifier module fitted. Refer to the rectifier data sheet for more information.*

Software

DCTools	Configuration software. Free download from: www.powerware.com/downloads
PowerManagerII	Remote control and monitoring software

Certifications

All products comply with international standards.

In the interests of continual product improvement all specifications are subject to change without notice.

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