



Automatic Voltage Regulator



1. Preview

The AVR-08 series automatic voltage regulator is part of SQ Electronics Smart PDU (Power Distributor Unit) product portfolio. The intention of the product design is to help solve the issue of voltage fluctuation, which happens very often in those developing regions.

Along with the other Smart PDU products, an intelligent system can be formed. In addition to the voltage regulation, the system can also offer remote monitoring and control on all powering related factors. For details, please also refer to our Smart PDU datasheets.

2. Features

- Vary broad input AC voltage range from 105V to 275V.
- Small output tolerance range of $220V \pm 3\%$.
- MCU chipset is embedded to support the operations and failure alarming and equipment protection.
- LED indicator to show input and output voltages, power loading, equipment protection status, etc.
- Optional alarming buzzer to call when problem happens and technician not nearby.
- LED alarming indicator as supplementary method.
- 2 RU chassis design with 8 output ports (2 directly connected to input port) .
- Different standard of sockets available.

3. Parameters

	Item	Specifications
Output	Frequency	50Hz/60Hz
	Input voltage	105-270VAC
	Output power	1500VA/2000VA (optional)
	Output current	7A
Output protection	Output power overload alarming	> 100%
	Output power overload protection	>120%
	Output overvoltage protection	>244 \pm 4V
	Output undervoltage protection	optional
	Overheat protection	Transformer coiling temperature>120



		$\pm 5^{\circ}\text{C}$
LED indication	Input range	0-450V (overvoltage shows: Err)
	Output range	0-450V (overvoltage shows: 000)
	Load range	000-119% (overload shows: OVL)
	Status	Delay, Normal, Protection
	Protection	overvoltage, undervoltage, overload, overheat
Power switch control	Traditional ON/OFF	
Buzzer	Optional	
Alarming LED indicator	Green- normal Red- alarming	



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