

Multistar LP Supply 12V 20AMP-S (Red Box)

The **Multistar LP Supply 12V 20AMP-S** is a generic model designation for a 12V, 20A, 240W switching power supply (SMPS); the precise datasheet will vary slightly depending on the specific manufacturer (e.g., Secureye, Mach Power, or a generic OEM).

Below are the typical technical specifications aggregated from several common suppliers for a standard metal-cased unit:

Technical Specifications

Parameter	Specification
Input Voltage	AC 100-240V (universal range), 50/60Hz
Input Voltage Selection	Switchable between 110V and 220V (must be set before use)
Output Voltage	DC 12V
Output Voltage Adjustment	~10-15% adjustable via a trim pot (+V / ADJ)
Output Current	Max 20A
Rated Power	240 Watts
Efficiency	Typically 85% or higher
Protections	Overload, Over-voltage, Short circuit, Surge protection

Cooling	Free air convection or built-in cooling fan (automatic on/off control)
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Dimensions (approx.)	200 x 110 x 50 mm (L x W x H)
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Weight (approx.)	0.65 kg to 0.74 kg
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Operating Temperature	-10°C to 60°C (varies slightly by manufacturer)
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Certifications	CE, FCC, RoHS compliant
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Enclosure Material	Metal case / Aluminum base
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Usage Environment	Indoor use only (not waterproof)
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- **Connections:** The power supply features screw terminals for connecting AC input (L, N, and Ground) and multiple DC outputs (+V and -V terminals).
- **Special Features:** In the multi-channel "red box" variations (e.g., 18CH models), each output channel often has an individual replaceable PTC fuse and an LED status indicator for easy fault finding in CCTV systems.