



POWER SUPPLY

- 200-240V Input
- Width only 125mm
- Efficiency up to 94.6%
- Excellent Partial Load Efficiency
- 150% (1440W) Peak Load Capability
- Easy Fuse Tripping due to High Overload Current
- Active Power Factor Correction (PFC)
- Minimal Inrush Current Surge
- Current Sharing Feature for Parallel Use
- Full Power Between -25°C and +60°C
- DC-OK Relay Contact
- Shut-down Input
- 3 Year Warranty

GENERAL DESCRIPTION

The most outstanding features of the DIMENSION Q-Series DIN-rail power supplies are the extremely high efficiencies and the small sizes, which are achieved by a synchronous rectification and other technological designs.

The QS40.244 is a device for 200-240V mains voltages. Large power reserves of 150% support the starting of heavy loads such as DC-motors or capacitive loads. In many cases this allows the use of a unit from a lower wattage class which saves space and money.

High immunity to transients and power surges as well as low electromagnetic emission makes usage in nearly every environment possible.

The integrated output power manager and input fuses as well as the near zero input inrush current make installation and usage simple. Diagnostics are easy due to the DC-ok relay, a green DC-OK LED and the red overload LED.

A large international approval package for a variety of applications makes this unit suitable for nearly every application.

SHORT-FORM DATA

Output voltage	DC 24V	
Adjustment range	24 - 28V	
Output current	40 – 34.3A	continuous
	60 – 51.5A	for typ. 4s
Output power	960W	continuous
	1440W	for typ. 4s
Output ripple	< 100mVpp	20Hz to 20MHz
Input voltage	200-240V	-15%/+10%
Mains frequency	50-60Hz	±6%
AC Input current	4.6A	at 230Vac
Power factor	0.96	at 230Vac
AC Inrush current	typ. 14A peak	
Efficiency	94.6%	at 230Vac
Losses	54.8W	at 230Vac
Temperature range	-25°C to +70°C	operational
Derating	24W/°C	+60 to +70°C
Hold-up time	typ. 30ms	at 230Vac
Dimensions	125x124x127mm WxHxD	

ORDER NUMBERS

Power Supply	QS40.244	24-28V Standard unit
Accessory	ZM2.WALL	Wall mount bracket
	SLR01	Redundancy module
	UF20.241	Buffer unit

MARKINGS

