

The OMRON logo is displayed in a bold, blue, sans-serif font. The letters are thick and closely spaced, with the 'O' being a solid circle. The entire logo is set against a light yellow rectangular background.

**Automatización Eléctrica**  
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## Industrial use, modular power supply for multiple configurations

The S8TS is an expandable power supply; standard units can easily be snapped together in parallel to provide you with ultimate flexibility. Expandable up to 4 units, it can deliver a total power of 240W at 24VDC or a multi-output configuration.

- Improves system reliability by building up N+1 redundancy
- Standard unit; 60 W at 24 VDC, 30 W at 12 VDC and 25 W at 5 VDC
- Battery back-up unit protects against power outage (see accessories)
- Buffer unit protects against power glitches and outage (see accessories)
- EMI Class B, UL Class 2, UL Class 1 division 2

### Ordering information

Basic block		Order code			
Output voltage	Output current	Screw terminal type		Connector terminal type	
		With bus line connectors <sup>1</sup>	Without bus line connectors <sup>2</sup>	With bus line connectors <sup>1</sup>	Without bus line connectors <sup>2</sup>
24 V	2.5 A	S8TS-06024-E1 <sup>3</sup>	S8TS-06024	S8TS-06024F-E1	S8TS-06024F
12 V	2.5 A	S8TS-03012-E1	S8TS-03012	S8TS-03012F-E1	S8TS-03012F
5 V	5 A	—	S8TS-02505	—	S8TS-02505F

<sup>1</sup> One S8T-BUS01 connector and one S8T-BUS02 connector are included as accessories.

<sup>2</sup> Bus line connectors can be ordered separately if necessary.

<sup>3</sup> Conforms to EMI class B with DC minus terminal ground.

### Accessories

Bus line connector		
Type	Number of connectors	Order code
AC line + DC line bus (For parallel operation)	1 connector	S8T-BUS01
	10 connectors <sup>1</sup>	S8T-BUS11
AC line bus (For series operation or isolated operation)	1 connector	S8T-BUS02
	10 connectors <sup>2</sup>	S8T-BUS12

<sup>1</sup> One package contains 10 S8T-BUS01 connectors.

<sup>2</sup> One package contains 10 S8T-BUS02 connectors.

### Specifications

Item	5 V models		24/12 V models	
	Single operation		Single operation	Parallel operation
Efficiency	62% min.		24 V models: 75%, 12 V models: 70% min.	
Power factor	0.8 min.		24 V models: 0.9 min., 12 V models: 0.8 min.	
Input voltage	100 to 240 VAC, (85 to 264 VAC), single-phase			
Output voltage	Voltage adjustment	5 V ±10% min.		24 V models: 22 to 28 V, 12 V models: 12 V ±10% min.
	Ripple	2% (p-p) max.		2% (p-p) max.
	Input variation	0.5% max.		—
	Temperature influence	0.05%/°C max. (with rated input, 10 to 100% load)		—
Overcurrent protection	105 to 125% of rated load current, inverted L drop, automatic reset			
Overvoltage protection	yes		yes	yes
Output indicator	yes (green)		yes (green)	yes (green)
Weight	450 g max.		450 g max.	450 g max.
Series operation	yes		yes	yes
Parallel operation	no		yes	yes
Size in mm (HxWxD)	120x43x120			



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