

# The new mini power supplies LOGO!Power

Greater functionality at the same price

October 2010



**Our new power supplies in the same design  
as the logic modules offer even greater  
performance in the smallest space:**

- Enhanced efficiency across the entire load range
- Halving of power losses in no-load operation (standby)
- Operation on DC voltage from 110 to 300 V DC
- Optimized response for capacitive loads with power reserve on starting up the power supply
- Extended operating temperature range from -20 °C to +70 °C

With a regulated 5, 12, 15 or 24 V DC output voltage and compatibility to the predecessor products, they are the right choice for many applications with low current consumption, whether in industry or building services systems.

**Other advantages at a glance**

- 3 performance classes up to 4 A at 24 V DC
- 2 performance classes for 5, 12 and 15 V DC
- Compact design
- Flat stepped profile, also ideal for installation in small distribution boards
- Constant current in the event of an overload for the safe connection of heavy loads such as DC/DC converters and motors
- Large setting range for output voltage
- Green LED for "Output voltage OK"
- Wide range input 85 to 264 V AC for almost all networks
- Worldwide, universal use – in industry or in residential low-voltage networks
- Comprehensive certification acc. to CE, UL/cUL, FM, shipbuilding GL and ATEX

## LOGO!Power

Answers for industry.

**SIEMENS**

Technical data	LOGO!Power 5 V DC		LOGO!Power 12 V DC	
				
	<b>5 V DC / 3 A</b>	<b>5 V DC / 6.3 A</b>	<b>12 V DC / 1.9 A</b>	<b>12 V DC / 4.5 A</b>
Order No. <sup>1)</sup>	6EP1311-1SH03	6EP1311-1SH13	6EP1321-1SH03	6EP1322-1SH03
Input voltage, rated value	100 – 240 V AC		100 – 240 V AC	
– Range	85 ... 264 V AC / 110 ... 300 V DC		85 ... 264 V AC / 110 ... 300 V DC	
Mains buffering	> 40 ms (at 187 V)		> 40 ms (at 187 V)	
Line frequency, rated value	50/60 Hz		50/60 Hz	
Input current, rated value	0.36 ... 0.22 A	0.71 ... 0.37 A	0.53 ... 0.30 A	1.13 ... 0.61 A
– Inrush current (25 °C)	< 26 A	< 50 A	< 25 A	< 55 A
– Recommended miniature circuit breaker	From 10 A characteristic C or 16 A characteristic B		From 10 A characteristic C or 16 A characteristic B	
Output voltage, rated value	5 V DC		12 V DC	
– Tolerance	± 3%		± 3%	
– Adjustment range	4.6 ... 5.4 V DC		10.5 ... 16.1 V DC	
Output current, rated value (up to +55°C)	3.0 A	6.3 A	1.9 A	4.5 A
Approx. efficiency at rated values	77%	83%	80%	85%
Power losses under no-load operation	< 1.5 W	< 1.5 W	< 1.8 W	< 1.9 W
Connectable in parallel	Yes, 2 units		Yes, 2 units	
Electronic short-circuit protection	Yes, constant current		Yes, constant current	
Radio suppression level (EN 55022)	Class B		Class B	
Supply harmonics limitation (EN 61000-3-2)	Not applicable		Not applicable	
Degree of protection (EN 60529)	IP20		IP20	
Ambient temperature	-20 ... +70 °C		-20 ... +70 °C	
Dimensions (W x H x D) in mm	54 x 90 x 55	72 x 90 x 55	54 x 90 x 55	72 x 90 x 55
Approx. weight	0.17 kg	0.25 kg	0.17 kg	0.25 kg
Certification	CE, cULus, FM, GL, ATEX		CE, cULus, FM, GL, ABS, ATEX	

Technical data	LOGO!Power 15 V DC		LOGO!Power 24 V DC		
					
	<b>15 V DC / 1.9 A</b>	<b>15 V DC / 4 A</b>	<b>24 V DC / 1.3 A</b>	<b>24 V DC / 2.5 A</b>	<b>24 V DC / 4 A</b>
Order No. <sup>1)</sup>	6EP1351-1SH03	6EP1352-1SH03	6EP1331-1SH03	6EP1332-1SH43	6EP1332-1SH52
Input voltage, rated value	100 – 240 V AC		100 – 240 V AC		
– Range	85 ... 264 V AC / 110 ... 300 V DC		85 ... 264 V AC / 110 ... 300 V DC		
Mains buffering	> 40 ms (at 187 V)		> 40 ms (at 187 V)		
Line frequency, rated value	50/60 Hz		50/60 Hz		
Input current, rated value	0.63 ... 0.33 A	1.24 ... 0.68 A	0.70 ... 0.35 A	1.22 ... 0.66 A	1.95 ... 0.97 A
– Inrush current (25 °C)	< 25 A	< 55 A	< 25 A	< 46 A	< 30 A
– Recommended miniature circuit breaker	From 10 A characteristic C or 16 A characteristic B		From 10 A characteristic C or 16 A characteristic B		
Output voltage, rated value	15 V DC		24 V DC		
– Tolerance	± 3%		± 3%		
– Adjustment range	10.5 ... 16.1 V DC		22.2 ... 26.4 V DC		
Output current, rated value (up to +55°C)	1.9 A	4.0 A	1.3 A	2.5 A	4.0 A
Approx. efficiency at rated values	80%	85%	85%	88%	89%
Power losses under no-load operation	< 2 W	< 2.3 W	< 2 W	< 1.8 W	< 2 W
Connectable in parallel	Yes, 2 units		Yes, 2 units		
Electronic short-circuit protection	Yes, constant current		Yes, constant current		
Radio suppression level (EN 55022)	Class B		Class B		
Supply harmonics limitation (EN 61000-3-2)	Not applicable		Not applicable	Not applicable	Yes
Degree of protection (EN 60529)	IP20		IP20		
Ambient temperature	-20 ... +70 °C		-20 ... +70 °C		
Dimensions (W x H x D) in mm	54 x 90 x 55	72 x 90 x 55	54 x 90 x 55	72 x 90 x 55	90 x 90 x 55
Approx. weight	0.17 kg	0.25 kg	0.17 kg	0.25 kg	0.34 kg
Certification	CE, cULus, FM, GL, ATEX		CE, cULus, FM, GL, ABS, ATEX, SEMI F47, Class 2		CE, cULus, FM, GL, ABS, ATEX

<sup>1)</sup> You will find up-to-date ordering data as well as our terms of sale and delivery on the Internet.

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