

# Simple selection guide for the right **SITOP power supply**



**SIEMENS**



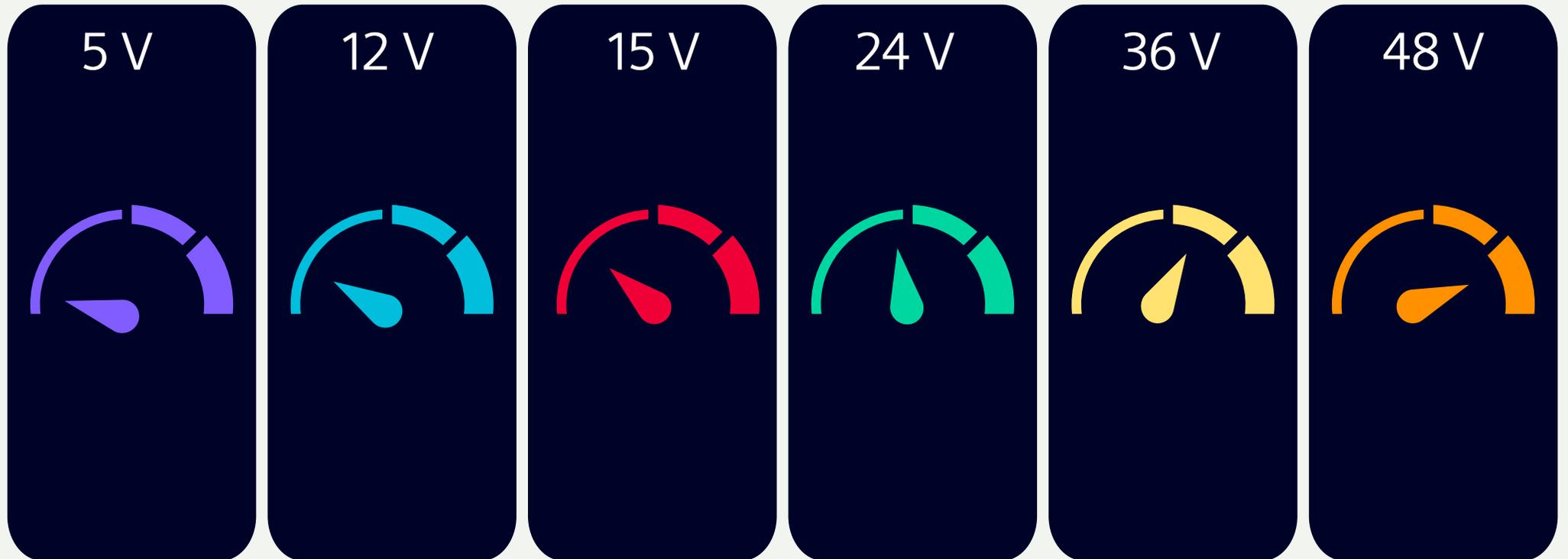
# How to use

The selection guide supports you in your search for a power supply within our main product lines.

The help is for typical requirements for industrial DIN rail power supplies and does not take into account any specific conditions of use or certification. It therefore does not contain all power supplies of our extensive portfolios and also no add-on or DC UPS modules.

For this purpose, the TIA-Selection tool (24 V view) or your contact person in your region is available for you.

# Output voltage of power supply





1-phase, 3 A and 6.3 A in flat step profile.  
With Extra Power when switched on.  
Measuring point as current monitor.



1- and 3-phase, up to 40 A, 150 % Extra Power for 5 s,  
300 % Power Boost for 25 ms, outputs monitored for  
overload, individually adjustable from 4 – 28 V,  
Industrial Ethernet/PROFINET interface, incl. OPC UA.

Rated power up to appr. 31.5 W

Ambient temperature range -25 ... +70 °C

Overload behaviour Extra Power when switched on

Energy efficiency ++

Integration with automation -

# LOGO!Power



Small. Clever. LOGO!Power. The 1-phase mini power supplies in the flat, stepped design of the LOGO!8 modules offer strong performance in a small space. The comprehensive functionality with flexible mounting, current monitor and high energy efficiency enables universal use.

## 1 AC



Rated power up to appr.	960 W
Ambient temperature range	-25... +60 °C
Overload behaviour	Extra Power Power Boost (devices with 1 output: 20 A and 40 A)
Energy efficiency	+++ PROFinergy
Integration with automation	PROFINET and OPC UA

# SITOP PSU8600



1 AC

3 AC

The SITOP PSU8600 power supply system offers full integration into automation systems via PROFINET in Totally Integrated Automation (TIA) or Industrial Ethernet with open communication in OPC UA. Operating data is recorded and diagnostics and maintenance information provided. A basic unit PSU8600 includes one or four outputs, each output is monitored for overload, the trip current and the voltage (4 – 28 V) are individually adjustable.



1-phase, 0.9 A to 4.5 A in flat step profile. With Extra Power when switched on. 1.9 A and 4.5 A variants with current monitor.

1-phase, up to 12 A, 7 A and 12 A variants with signaling contact DC ok, 12 A variant also with SITOP diagnostic interface (SDI) and 150 % Extra Power for 5 s.

1- and 3-phase, up to 40 A, 150 % Extra Power for 5 s, 300 % Power Boost for 25 ms, outputs monitored for overload, individually adjustable from 4 – 28 V, Industrial Ethernet/PROFINET interface.

Rated power up to appr. 54 W

Ambient temperature range -25 ... +70 °C

Overload behaviour Extra Power when switched on

Energy efficiency ++

Integration with automation -

# LOGO!Power



Small. Clever. LOGO!Power. The 1-phase mini power supplies in the flat, stepped design of the LOGO!8 modules offer strong performance in a small space. The comprehensive functionality with flexible mounting, current monitor and high energy efficiency enables universal use.

## 1 AC



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[→ 12 V](#)

[→ Standard](#)

[→ PSU6200](#)

Rated power up to appr.	144 W
Ambient temperature range	-25... +70 °C
Overload behaviour	Extra Power (7 A & 12 A)
Energy efficiency	+++
Integration with automation	DC o.k., SITOP diagnostic interface (SDI)

# SITOP PSU6200



The SITOP PSU6200 is the all-rounder among the standard power supplies: With robust input for AC and DC voltages, space-saving width, fast push-in connection technology and comprehensive diagnostics options (12 A device) supplies you reliably with a wide variety of applications.

1 AC



Rated power up to appr.	960 W
Ambient temperature range	-25... +60 °C
Overload behaviour	Extra Power Power Boost (devices with 1 output: 20 A and 40 A)
Energy efficiency	+++ PROFinergy
Integration with automation	PROFINET and OPC UA

# SITOP PSU8600



1 AC

3 AC

The SITOP PSU8600 power supply system offers full integration into automation systems via PROFINET in Totally Integrated Automation (TIA) or Industrial Ethernet with open communication in OPC UA. Operating data is recorded and diagnostics and maintenance information provided. A basic unit PSU8600 includes one or four outputs, each output is monitored for overload, the trip current and the voltage (4 – 28 V) are individually adjustable.



1-phase, 1.9 A and 4 A in flat step profile. With Extra Power when switched on. 1.9 A and 4.5 A. Measuring point as current monitor.



1- and 3-phase, up to 40 A, 150 % Extra Power for 5 s, 300 % Power Boost for 25 ms, outputs monitored for overload, individually adjustable from 4 – 28 V, Industrial Ethernet/PROFINET interface, incl. OPC UA.

Rated power up to appr. 60 W

Ambient temperature range -25 ... +70 °C

Overload behaviour Extra Power when switched on

Energy efficiency ++

Integration with automation -

# LOGO!Power



Small. Clever. LOGO!Power. The 1-phase mini power supplies in the flat, stepped design of the LOGO!8 modules offer strong performance in a small space. The comprehensive functionality with flexible mounting, current monitor and high energy efficiency enables universal use.

## 1 AC



Rated power up to appr.	960 W
Ambient temperature range	-25... +60 °C
Overload behaviour	Extra Power Power Boost (devices with 1 output: 20 A and 40 A)
Energy efficiency	+++ PROFinergy
Integration with automation	PROFINET and OPC UA

# SITOP PSU8600



1 AC

3 AC

The SITOP PSU8600 power supply system offers full integration into automation systems via PROFINET in Totally Integrated Automation (TIA) or Industrial Ethernet with open communication in OPC UA. Operating data is recorded and diagnostics and maintenance information provided. A basic unit PSU8600 includes one or four outputs, each output is monitored for overload, the trip current and the voltage (4 – 28 V) are individually adjustable.



1- and 3-phase, up to 20 A, use in industry.

1-phase, up to 20 A, 3-phase up to 40 A, 150 % Extra Power for 5 s, SITOP diagnostic interface (SDI), use in industry and residential areas.

1-, 2- and 3-phase, up to 40 A, 150 % Extra Power for 5 s, 300 % Power Boost for 25 ms, variants with IO-Link and Industrial Ethernet/PROFINET interface incl. OPC UA, use in industry and residential areas.

## LOGO!Power

The flat power supplies in a stepped design are ideal for installation distributors.

Installation is flexible via DIN rail or screws

24 V power supplies, 1 AC: 0.6 A, 1.3 A, 2.5 A and 4 A

## SITOP PSU4200

The DIN rail devices for the control cabinet offer a solution that is as cost-effective as it is reliable and efficient. Small installation dimensions and push-in terminals enable quick installation.

24 V power supplies, 1 AC: 3 A, 5 A, 10 A and 20 A;  
3 AC: 10 A and 20 A

Rated power up to appr. 96 W

Ambient temperature range -25 ... +70 °C

Overload behaviour Extra Power when switched on

Energy efficiency ++

Integration with automation -

# LOGO!Power



Small. Clever. LOGO!Power. The 1-phase mini power supplies in the flat, stepped design of the LOGO!8 modules offer strong performance in a small space. The comprehensive functionality with flexible mounting, current monitor and high energy efficiency enables universal use.

## 1 AC



Rated power  
up to appr. 480 W

Ambient  
temperature range -25 ... +70 °C

Overload behaviour –

Energy efficiency ++

Integration  
with automation DC o.k.

# SITOP PSU4200



Quickly assembled, easy to operate, capable, and reliable – the basic power supplies offer every basic need a cheap as well as reliable and efficient solution. Small installation dimensions and push-in clamps enable quick installation. In operation the efficiency of up to 93 % ensures high efficiency, and the yellow LED of the Power Monitor shows a load over 85 %.

1 AC

3 AC



Rated power up to appr. 960 W

Ambient temperature range -25 ... +70 °C

Overload behaviour Extra Power (from 5 A)

Energy efficiency +++

Integration with automation DC o.k., SITOP diagnostic interface (SDI) from 10 A

# SITOP PSU6200



The SITOP PSU6200 is the allrounder among the standard power supplies: With robust input for AC and DC voltages, space-saving width, fast push-in connection technology and comprehensive diagnostics options it supplies you reliably with a wide variety of applications.

1 AC

3 AC



## SITOP PSU8200

The technology power supply for demanding solutions: SITOP PSU8200 meets high requirements due to their overload capacity, efficiency and compactness.

24 V power supplies, 1 AC: 5 A, 10 A, 20 A and 40 A;  
3 AC: 20 A and 40 A.

## SITOP PSU8400

The power supply with IO-Link puts its values on display. SITOP PSU8400 convinces with very high efficiency and compactness with convenient parameterization and diagnostics.

24 V power supplies, 3 AC: 20 A and 40 A

## SITOP PSU8600

The power supply system for digitalization and Industry 4.0. SITOP PSU8600 with open communication offers unique functionality and diagnostics.

Power supplies with current-monitored outputs, adjustable from 4 to 28 V,  
1 AC: 4 x 5 A; 3 AC: 4 x 5 A, 4 x 10 A, 20 A, 40 A

## SITOP PSU200M

The technology power supply for worldwide use. SITOP PSU200M enables with the ultra-wide range input flexible use on 1-, 2- and 3-phase networks.

24 V power supplies, 1 AC/2 AC: 5 A, 10 A

Rated power up to appr.	960 W
Ambient temperature range	-25 ... +70 °C
Overload behaviour	Extra Power Power Boost
Energy efficiency	+++
Integration with automation	DC o.k., Remote on/off

# SITOP PSU8200



The SITOP PSU8200 is perfect for complex plants and machines. The wide-range input allows the connection to any network and tolerates large voltage fluctuations. Power Boost delivers up to to 3 times the nominal current. In the event of an overload, you can choose between constant current with automatic restart and latching shutdown. And the high efficiency reduces energy consumption.

1 AC

3 AC

Rated power up to appr.	960 W
Ambient temperature range	-25... +70 °C
Overload behaviour	Extra Power Power Boost
Energy efficiency	+++
Integration with automation	DC o.k., IO-Link

# SITOP PSU8400



With SITOP PSU8400 you benefit from a highly reliable power supply with IO-Link, which puts its values on display – via display directly on the device and via IO-Link from afar. Whether more comfort with parameterization, monitoring and diagnostics, high power reserves, small footprint or an efficiency of up to 96 %: SITOP PSU8400 simply offers more than conventional power supplies.

## 3 AC



Rated power up to appr. 960 W

Ambient temperature range -25 ... +60 °C

Overload behaviour Extra Power Power Boost (devices with 1 output: 20 A and 40 A)

Energy efficiency +++++ PROFinergy

Integration with automation PROFINET and OPC UA

# SITOP PSU8600



1 AC

3 AC

The SITOP PSU8600 power supply system offers full integration into automation systems via PROFINET in Totally Integrated Automation (TIA) or Industrial Ethernet with open communication in OPC UA. Operating data is recorded and diagnostics and maintenance information provided. A basic unit PSU8600 includes one or four outputs, each output is monitored for overload, the trip current and the voltage (4 – 28 V) are individually adjustable.

Rated power up to appr.	240 W
Ambient temperature range	-25 ... +70 °C
Overload behaviour	Power Boost
Energy efficiency	++
Integration with automation	DC o.k.,

# SITOP PSU200M



The SITOP PSU200M is perfect for complex plants and machines for universal use worldwide. The ultra-wide-range input makes it easy to connect to 1-phase networks at 120 – 230 V or to 2 phases of a three-phase mains network at 230 – 500 V. The Power Boost delivers for a short time up to to 3 times the nominal current. In the event of an overload, you can choose between constant current with automatic restart and latching shutdown.

## 1 AC/2 AC

Rated power up to appr.	468 W
Ambient temperature range	-25 ... +70 °C
Overload behaviour	Extra Power, Power Boost
Energy efficiency	+++
Integration with automation	DC o.k., Remote on/off

# SITOP PSU8200



The SITOP PSU8200 is perfect for complex plants and machines. The wide-range input allows the connection to any network and tolerates large voltage fluctuations. Power Boost delivers up to 3 times the nominal current. In the event of an overload, you can choose between constant current with automatic restart and latching shutdown. And the high efficiency reduces energy consumption.

## 3 AC



1-phase up to 10 A, 3-phase up to 20 A,  
diagnostic interface.

3-phase up to 20 A, 300 % Power Boost to trigger  
circuit breakers.

# SITOP PSU6200

Rated power up to appr.	960 W
Ambient temperature range	-25 ... +70 °C
Overload behaviour	Extra Power
Energy efficiency	+++
Integration with automation	DC o.k., SITOP diagnostic interface (SDI)



The SITOP PSU6200 is the allrounder among the standard power supplies: With robust input for AC and DC voltages, space-saving width, fast push-in connection technology and comprehensive diagnostics options it supplies you reliably with a wide variety of applications.

1 AC

3 AC



Rated power up to appr.	960 W
Ambient temperature range	-25 ... +70 °C
Overload behaviour	Extra Power, Power Boost
Energy efficiency	+++
Integration with automation	DC o.k. Remote on/off

# SITOP PSU8200



The SITOP PSU8200 is perfect for complex plants and machines. The wide-range input allows the connection to any network and tolerates large voltage fluctuations. Power Boost delivers up to to 3 times the nominal current. In the event of an overload, you can choose between constant current with automatic restart and latching shutdown. And the high efficiency reduces energy consumption.

## 3 AC



**Brochure incl. data sheets**  
[Siemens | SITOP brochure](#)

**Catalog KT10.1**  
[SITOP Power Supply](#)

Subject to changes and errors. The information provided in this brochure contains descriptions or performance characteristics which, in case of actual use, do not always apply as described or which may change as a result of further development of the products. The desired performance characteristics are only binding if expressly agreed in the contract. Availability and technical specifications are subject to change without notice.

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