



# SITOP Power Supplies

Domestic and International Applications — Standard Line



Selection



6EP1333-2AA00



6EP1334-2AA00



6EP1331-2BA00



6EP1333-2BA00



6EP1334-2BA00



6EP1334-2CA00

## SITOP Power Single-Phase

| Technical Specifications               | Standard Line with Stand. Harm. Level  |                                         | Standard Line with Extra Low Harm. Level |                                        |                                         | Standard Line/ET200X <sup>®</sup>        |
|----------------------------------------|----------------------------------------|-----------------------------------------|------------------------------------------|----------------------------------------|-----------------------------------------|------------------------------------------|
| SITOP power                            | DC 24V/5A                              | DC 24V/10A                              | DC 24V/2A                                | DC 24V/5A                              | DC 24V/10A                              | DC 24V/10A                               |
| Catalog No                             | 6EP1333-2AA00                          | 6EP1334-2AA00                           | 6EP1331-2BA00                            | 6EP1333-2BA00                          | 6EP1334-2BA00                           | 6EP1334-2CA00                            |
| Rated Input Voltage                    | AC 120V/230V                           | AC 120V/230V                            | AC 120V/230V                             | AC 120V/230V                           | AC 120V/230V                            | AC 120V/230V                             |
| Range                                  | 93–132V/187–264V                       | 85–132V/187–264V                        | 93–132V/187–264V                         | 93–132V/187–264V                       | 85–132V/187–264V                        | 93–132V/187–264V                         |
| Hold Up Time                           | >20 ms                                 | >20 ms                                  | >10 ms                                   | >10 ms                                 | >10 ms                                  | >20 ms                                   |
| AC Input Frequency                     | 47–63Hz                                | 47–63Hz                                 | 47–63Hz                                  | 47–63Hz                                | 47–63Hz                                 | 47–63Hz                                  |
| Rated Input Current                    | 2.2/1.3A                               | 5.5/3.2A                                | 0.9/0.6A                                 | 2.2/0.9A                               | 5.5/2.1A                                | 4.3/2.6A                                 |
| Inrush Current 25°C (77°F)             | 32A                                    | 65A                                     | 14A                                      | 32A                                    | 65A                                     | 65A                                      |
| Line Side Protection                   | 5SX2106-7 <sup>①</sup>                 | 5SX2110-7 <sup>①</sup>                  | 5SX2103-7 <sup>①</sup>                   | 5SX2106-7 <sup>①</sup>                 | 5SX2110-7 <sup>①</sup>                  | 5SX2116-7 <sup>①</sup>                   |
| Load Side Protection                   | Self-Protected <sup>②</sup>            | Self-Protected <sup>②</sup>             | Self-Protected <sup>②</sup>              | Self-Protected <sup>②</sup>            | Self-Protected <sup>②</sup>             | Self-Protected <sup>②</sup>              |
| Rated Output Voltage                   | 24V DC ± 1%                            | 24V ± 1%                                | 24V DC ± 1%                              | 24V DC ± 1%                            | 24V ± 1%                                | 24V DC ± 3%                              |
| Adjustable Range                       | 22.8–26.4V                             | 22.8–26.4V                              | 22.8–26.4V                               | 22.8–26.4V                             | 22.8–26.4V                              | Fixed                                    |
| Rated Output Current                   | 5A (140°F)                             | 10A (140°F) 12A (113°F)                 | 2A (140°F)                               | 5A (140°F)                             | 10A (140°F) 12A (113°F)                 | 10A (104°F) 8A (131°F)                   |
| Efficiency Approx.                     | 87%                                    | 89%                                     | 82%                                      | 87%                                    | 89%                                     | 87%                                      |
| Parallel Connection Possible           | Yes                                    | Yes                                     | Yes                                      | Yes                                    | Yes                                     | Yes                                      |
| RFI Specification                      | EN50081-1 (Class B)                    | EN50081-1 (Class B)                     | EN50081-1 (Class B)                      | EN50081-1 (Class B)                    | EN50081-1 (Class B)                     | EN50081-2 (Class A)                      |
| Degree of Protection                   | IP 20                                  | IP 20                                   | IP 20                                    | IP 20                                  | IP 20                                   | IP 65                                    |
| Ambient Temperature                    | 32°–140°F (0°–60°C)                    | 32°–140°F (0°–60°C)                     | 32°–140°F (0°–60°C)                      | 32°–140°F (0°–60°C)                    | 32°–140°F (0°–60°C)                     | 32°–131°F (0°–60°C)                      |
| Mounting                               | DIN Rail (35 × 7.5 mm)                 | DIN Rail (35 × 7.5 mm)                  | DIN Rail (35 × 7.5 mm)                   | DIN Rail (35 × 7.5 mm)                 | DIN Rail (35 × 7.5 mm)                  | Wall Mounting <sup>⑤</sup>               |
| Connections at Input (Solid/Stranded)  | AWG22–AWG12                            | AWG22–AWG12                             | AWG22–AWG12                              | AWG22–AWG12                            | AWG22–AWG12                             | AWG22–AWG12                              |
| Connections at Output (Solid/Stranded) | AWG22–AWG12                            | AWG22–AWG12                             | AWG22–AWG12                              | AWG22–AWG12                            | AWG22–AWG12                             | AWG22–AWG12                              |
| Dimensions<br>W × H × D Inches (mm)    | 2.95 × 4.92 × 4.88<br>(75 × 125 × 124) | 3.94 × 4.92 × 5.28<br>(100 × 125 × 134) | 1.97 × 4.92 × 4.88<br>(50 × 125 × 124)   | 2.95 × 4.92 × 4.88<br>(75 × 125 × 124) | 3.94 × 4.92 × 5.28<br>(100 × 125 × 134) | 5.51 × 10.63 × 4.96<br>(140 × 270 × 126) |
| Approx Wt Lbs (Kg)                     | 1.3 (0.6)                              | 1.8 (0.8)                               | 0.9 (0.4)                                | 1.7 (0.75)                             | 2.4 (1.1)                               | 3.7 (1.7)                                |
| Approvals                              | UL, cUL, CE                            | UL, cUL, CE                             | UL, cUL, CE                              | UL, cUL, CE                            | UL, cUL, CE                             | UL, cUL, CE                              |
| Price \$                               | 275.                                   | 371.                                    | 178.                                     | 287.                                   | 391.                                    | 684.                                     |

①Recommended Circuit Breaker for conductors. Power Supply itself does not require protection.

②According to UL 508.

③If used without ET 200X, the accessory connector seal, part no. 6EP1971-2CA00 is required to achieve IP 65 degree of protection.

④Optional: automatic restart or latching shut down.

⑤Any mounting position is permitted.

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Power Supplies

Discount Code: SITOP

Siemens Industrial Control Products



6EP1332-2BA00



6EP1336-2BA00



6EP1331-1SL11



6EP1333-1SL11



6EP1334-1SL11

## SITOP Power Single-Phase

| Technical Specifications               | Standard Line with Extra Low Harm. Level |                                      | Basic Line (S7-300 Design)             |                                        |                                         |
|----------------------------------------|------------------------------------------|--------------------------------------|----------------------------------------|----------------------------------------|-----------------------------------------|
| SITOP Power                            | DC 24V/Class 2                           | DC 24V/20A                           | DC 24V/2A                              | DC 24V/5A                              | DC 24V/10A                              |
| Catalog No                             | 6EP1332-2BA00                            | 6EP1336-2BA00                        | 6EP1331-1SL11                          | 6EP1333-1SL11                          | 6EP1334-1SL11                           |
| Rated Input Voltage                    | AC 120V/230V                             | AC 120V/230V                         | AC 120V/230V                           | AC 120V/230V                           | AC 120V/230V                            |
| Range                                  | 93–132V/187–264V                         | 93–132V/187–264V                     | 93–132V/187–264V                       | 93–132V/187–264V                       | 93–132V/187–264V                        |
| Hold Up Time                           | >10ms                                    | >10ms                                | >20 ms                                 | >20 ms                                 | >20 ms                                  |
| AC Input Frequency                     | 47–63Hz                                  | 47–63Hz                              | 47–63Hz                                | 47–63Hz                                | 47–63Hz                                 |
| Rated Input Current                    | 1.7/0.7A                                 | 8.0/3.3A                             | 0.8/0.5A                               | 2.0/1.0A                               | 3.5/1.7A                                |
| Inrush Current 25°C (77°F)             | <32A                                     | <81A                                 | <20A, <3 ms                            | <45, <3 ms                             | <55A, <3 ms                             |
| Line Side Protection                   | 5SX2110-7 <sup>①</sup>                   | 5SX2116-7 <sup>①</sup>               | 5SX2106-7 <sup>①</sup>                 | 5SX2110-7 <sup>①</sup>                 | 5SX2116-71 <sup>①</sup>                 |
| Load Side Protection                   | Self Protected <sup>②</sup>              | Self Protected <sup>②</sup>          | Self Protected <sup>②</sup>            | Self Protected <sup>②</sup>            | Self Protected <sup>②</sup>             |
| Rated Output Voltage                   | 24VDC ± 1%                               | 24VDC ± 3%                           | 24VDC ± 3%                             | 24VDC ± 3%                             | 24VDC ± 3%                              |
| Adjustable Range                       | Fixed                                    | 22.8–26.4VDC                         | Fixed                                  | Fixed                                  | Fixed                                   |
| Rated Output Current                   | 3.8A (140°F)                             | 20A (131°F)                          | 2A (140°F)                             | 5A (140°F)                             | 10A (140°F)                             |
| Efficiency Approx.                     | 87%                                      | 87%                                  | 83%                                    | 88%                                    | 87%                                     |
| Parallel Connection Possible           | Yes                                      | Yes                                  | No                                     | No                                     | No                                      |
| RFI Specification                      | EN50081-1 (Class B)                      | EN50081-1 (Class B)                  | EN50081-2 (Class A)                    | EN50081-2 (Class A)                    | EN50081-2 (Class A)                     |
| Degree of Protection                   | IP 20                                    | IP 20                                | IP 20                                  | IP 20                                  | IP 20                                   |
| Ambient Temperature                    | 32°–140°F (0°–60°C)                      | 32°–131°F (0°–55°C)                  | 32°–140°F (0°–60°C)                    | 32°–140°F (0°–60°C)                    | 32°–140°F (0°–60°C)                     |
| Mounting                               | DIN Rail (35 × 7.5 mm)                   | DIN Rail (35 × 7.5 mm)               | DIN Rail (35 × 15 mm)                  | DIN Rail (35 × 15 mm)                  | DIN Rail (35 × 15 mm)                   |
| Connections at Input (Solid/Stranded)  | AWG22–AWG12                              | AWG22–AWG12                          | AWG22–AWG12                            | AWG22–AWG12                            | AWG22–AWG12                             |
| Connections at Output (Solid/Stranded) | AWG22–AWG12                              | AWG22–AWG12                          | AWG22–AWG12                            | AWG22–AWG12                            | AWG22–AWG12                             |
| Dimensions W x H x D Inches (mm)       | 2.95 × 4.92 × 4.88<br>(75 × 125 × 124)   | 11.0 × 4.9 × 3.6<br>(280 × 125 × 92) | 1.97 × 4.92 × 5.31<br>(50 × 125 × 135) | 3.15 × 4.92 × 5.31<br>(80 × 125 × 135) | 7.87 × 4.92 × 5.31<br>(200 × 125 × 135) |
| Approx Wt Lbs (Kg)                     | 1.7 (0.75)                               | 5.3 (2.4)                            | 0.9 (0.4)                              | 1.5 (0.7)                              | 2.6 (1.2)                               |
| Approvals                              | UL, cUL, CE, Class 2                     | UL, cUL, CE                          | UL, cUL, FM, CE                        | UL, cUL, FM, CE                        | UL, cUL, FM, CE                         |
| Price \$                               | 287.                                     | 612.                                 | 204.                                   | 325.                                   | 499.                                    |

**Note:** Basic Line not for new development. See page 789 for latest models.

①Recommended Circuit Breaker for conductors. Power Supply itself does not require protection.

②According to UL 508.