# SITOP Power Supplies

## Domestic and International Applications — Standard Line

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/ET200X③ |
|---|---|---|---|---|---|---|
| **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** | **5SX2106-7①** | **5SX2110-7①** | **5SX2103-7①** | **5SX2106-7①** | **5SX2110-7①** | **5SX2116-7①** |
| **Load Side Protection** | Self-Protected② | Self-Protected② | Self-Protected② | Self-Protected② | Self-Protected② | Self-Protected④ |
| **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 Mounting⑤ |
| **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 W × H × D Inches (mm)** | 2.95 × 4.92 × 4.88 (75 × 125 × 124) | 3.94 × 4.92 × 5.28 (100 × 125 × 134) | 1.97 × 4.92 × 4.88 (50 × 125 × 124) | 2.95 × 4.92 × 4.88 (75 × 125 × 124) | 3.94 × 4.92 × 5.28 (100 × 125 × 134) | 5.51 × 10.63 × 4.96 (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.

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**① | **5SX2116-7**① | **5SX2106-7**① | **5SX2110-7**① | **5SX2116-71**① |
| **Load Side Protection** | Self Protected② | Self Protected② | Self Protected② | Self Protected② | Self Protected② |
| **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 x 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 (75 × 125 × 124) | 11.0 × 4.9 × 3.6 (280 × 125 × 92) | 1.97 × 4.92 × 5.31 (50 × 125 × 135) | 3.15 × 4.92 × 5.31 (80 × 125 × 135) | 7.87 x 4.92 x 5.31 (200 x 125 x 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.