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SITOP Power Supply

Three reasons for SITOP: reliability, efficiency, and integration
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Order overview

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Order overview SITOP – Regulated power supplies, expansion modules, and DC UPS

	Product	Rated input voltage (range)	Dimensions in mm (W x H x D)	Article number[1)]	Short description
Advanced power supplies					
	SITOP PSU8600 – The power supply system for digitalization and Industry 4.0				
	PSU8600 1AC basic unit • 24 V DC/20 A/4 x 5 A	100 ... 240 V AC/110 ... 220 V DC (85 ... 275 V AC/99 ... 275 V DC)	125 x 125 x 150	6EP3336-8MB00-2CY0	• Compact basic units with 1 or 4 outputs, each overload monitored • Expandable without wiring effort: up to four CNX8600 modules and two BUF8600/UPS8600 modules • Expansion module for up to 36 outputs • CNX8600 8 x 2.5 A with NEC Class 2 • Outputs individually adjustable: voltage (4 ... 28 V DC) and current • DC UPS module with up to five battery modules in lead or lithium iron phosphate technology for protection against long network failures • Two Ethernet/PROFINET ports for optimum integration in plant automation • Integrated webserver and OPC UA server • Simple engineering as well as comprehensive monitoring and diagnosis in TIA Portal • Support of energy management due to capturing of energy data and selectively switching off the outputs
	PSU8600 3AC basic unit	400 ... 500 V 3 AC (320 ... 575 V 3 AC)			
	• 24 V DC/20 A		80 x 125 x 150	6EP3436-8SB00-2AY0	
	• 24 V DC/20 A/4 x 5 A		100 x 125 x 150	6EP3436-8MB00-2CY0	
	• 24 V DC/40 A		125 x 125 x 150	6EP3437-8SB00-2AY0	
	• 24 V DC/40 A/4 x 10 A		125 x 125 x 150	6EP3437-8MB00-2CY0	
	Modular system: CNX8600 expansion module	Supply from basic unit PSU8600 via connection "System Clip Link"			
	• 24 V DC/4 x 5 A		60 x 125 x 150	6EP4436-8XB00-0CY0	
	• 24 V DC/4 x 10 A		60 x 125 x 150	6EP4437-8XB00-0CY0	
	• 24 V DC/8 x 2.5 A NEC Class 2		100 x 125 x 150	6EP4436-8XB00-0DY0	
	BUF8600 buffer module				
	• 100 ms/40 A		60 x 125 x 150	6EP4297-8HB00-0XY0	
	• 300 ms/40 A		125 x 125 x 150	6EP4297-8HB10-0XY0	
	• 4 s/40 A		60 x 125 x 150	6EP4293-8HB00-0XY0	
	• 10 s/40 A		125 x 125 x 150	6EP4295-8HB00-0XY0	
	UPS components				
	• DC UPS module UPS8600		60 x 125 x 150	6EP4197-8AB00-0XY0	
	• Battery module BAT8600 Pb	Energy exchange with UPS8600	322 x 187 x 110	6EP4145-8GB00-0XY0	
	• Battery module BAT8600 LiFePO4		322 x 187 x 110	6EP4143-8JB00-0XY0	
	SITOP PSU8200 – Technology power supply for demanding solutions				
	24 V DC/5 A, PSU8200	120/230 V AC (85 ... 132/176 ... 264 V AC)	45 x 125 x 125	6EP3333-8SB00-0AY0	• Wide-range input • Efficiency levels of up to 95% • Extra power feature (1.5 x I_{rated} for 5 s/min) for brief operational overload • Power Boost (3 x I_{rated} for 25 ms) for triggering protective equipment • Switchable characteristic curves for parallel operation and short-circuit protection • Operation status indicated by 3 LEDs • Signaling contact "DC ok" • Output voltage adjustable • 24 V power supply units expandable with add-on modules and DC UPS • 36 V and 48 V versions enable smaller cross-sections of the load supply lines
	24 V DC/10 A, PSU8200		55 x 125 x 125	6EP3334-8SB00-0AY0	
	24 V DC/5 A, PSU200M	120 ... 230/230 ... 500 V AC (85 ... 264/176 ... 550 V AC)	70 x 125 x 125	6EP1333-3BA10	
	24 V DC/10 A, PSU200M		70 x 125 x 125	6EP1334-3BA10	
	24 V DC/20 A, PSU8200	120/230 V AC (85 ... 275 V AC/88 ... 350 V DC)	90 x 125 x 125	6EP1336-3BA10	
	24 V DC/40 A, PSU8200	120/230 V AC (95 ... 132/190 ... 264 V AC)	145 x 145 x 150	6EP3337-8SB00-0AY0	
	24 V DC/40 A, PSU8200 Ex		145 x 145 x 150	6EP3337-8SC00-0AY0	
	24 V DC/20 A, PSU8200	400 ... 500 V 3 AC (320 ... 575 V 3 AC)	70 x 125 x 125	6EP3436-8SB00-0AY0	
	24 V DC/40 A, PSU8200		135 x 145 x 150	6EP3437-8SB00-0AY0	
	36 V DC/13 A, PSU8200		70 x 125 x 125	6EP3446-8SB10-0AY0	
	48 V DC/10 A, PSU8200		70 x 125 x 125	6EP3446-8SB00-0AY0	
	48 V DC/20 A, PSU8200	400 ... 500 V 3 AC (340 ... 550 V 3 AC)	135 x 145 x 150	6EP3447-8SB00-0AY0	
Standard power supplies					
	SITOP PSU6200 – The all-rounder power supply for a wide variety of applications				
	12 V DC/2 A, PSU6200	120 ... 230 V AC/120 ... 240 V DC (85 ... 264 V AC/110 ... 275 V DC)	25 x 100 x 88	6EP3321-7SB00-0AX0	• Robust wide range input AC and DC, 3-phase devices also applicable for continuous operation with 2 phases • Space-saving, narrow design • High efficiency up to 96% • High overload capacity thanks to extra power (1.5 x I_{nom} for 5 s) and constant current behavior, permanent overload capacity (1.2 x I_{nom}) up to 45 °C ambient temperature • Push-in terminals for fast connection • From 3.7 A: LED and signaling contact "DC ok" • From 24 V/10 A and 48 V/5 A: diagnostics monitor for overload and service life via LEDs, diagnostics interface signals all the relevant device and operating data, active PFC for low reactive current component • Variants with conformal coating with certifications according to ATEX, IECEx, FM, and CCC for use in hazardous areas zone 2 • Expandable with all SITOP add-on modules
	24 V DC/1.3 A, PSU6200		25 x 100 x 88	6EP3331-7SB00-0AX0	
	24 V DC/2.5 A, PSU6200		40 x 100 x 88	6EP3332-7SB00-0AX0	
	12 V DC/7 A, PSU6200	120 ... 230 V AC/120 ... 240 V DC (85 ... 264 V AC/99 ... 275 V DC)	35 x 135 x 125	6EP3323-7SB00-0AX0	
	24 V DC/3.7 A, NEC Class 2, PSU6200		35 x 135 x 125	6EP3333-7LB00-0AX0	
	24 V DC/5 A, PSU6200		35 x 135 x 125	6EP3333-7SB00-0AX0	
	24 V DC/5 A, PSU6200 Ex		35 x 135 x 125	6EP3333-7SC00-0AX0	
	12 V DC/12 A, PSU6200	120 ... 230 V AC/110 ... 240 V DC (85 ... 264 V AC/85 ... 275 V DC)	45 x 135 x 125	6EP3324-7SB00-3AX0	
	24 V DC/10 A, PSU6200		45 x 135 x 125	6EP3334-7SB00-3AX0	
	24 V DC/10 A, PSU6200 Ex		45 x 135 x 125	6EP3334-7SC00-3AX0	
	48 V DC/5 A, PSU6200		45 x 135 x 155	6EP3444-7SB00-3AX0	
	24 V DC/20 A, PSU6200		70 x 135 x 155	6EP3436-7SB00-3AX0	
	24 V DC/20 A, PSU6200 Ex		70 x 135 x 155	6EP3436-7SC00-3AX0	
	48 V DC/10 A, PSU6200		70 x 135 x 155	6EP3446-7SB00-3AX0	
	24 V DC/40 A, PSU6200		95 x 135 x 155	6EP3437-7SB00-3AX0	
	24 V DC/40 A, PSU6200 Ex		95 x 135 x 155	6EP3437-7SC00-3AX0	
	48 V DC/20 A, PSU6200		95 x 135 x 155	6EP3447-7SB00-3AX0	
	SITOP smart – Powerful standard power supply				
	12 V DC/7 A, PSU100S	120/230 V AC (85 ... 132/170 ... 264 V AC)	50 x 125 x 120	6EP1322-2BA00	• Space-saving, slim design • PSU100S with automatic range switch over 120/230 V AC • Extra power (1.5 x I_{rated} for 5 s) for brief operational overload • Permanent overload capacity (1.2 x I_{rated}) to 45 °C ambient temperature (24 V devices) • Green LED and signaling contact "Output voltage ok" • Adjustable output voltage up to 28 V DC or 15.5 V DC (12 V devices) • Expandable with redundancy module, selectivity/diagnostics module, buffer module, and DC UPS
	12 V DC/14 A, PSU100S		70 x 125 x 120	6EP1323-2BA00	
	24 V DC/2.5 A, PSU100S		32.5 x 125 x 120	6EP1332-2BA20	
	24 V DC/5 A, PSU100S		50 x 125 x 120	6EP1333-2BA20	
	24 V DC/10 A, PSU100S		70 x 125 x 120	6EP1334-2BA20	
	24 V DC/20 A, PSU100S		115 x 145 x 150	6EP1336-2BA10	
	24 V DC/5 A, PSU300S	400 ... 500 V 3 AC (340 ... 550 V 3 AC)	50 x 125 x 120	6EP1433-2BA20	
	24 V DC/10 A, PSU300S		70 x 125 x 120	6EP1434-2BA20	
	24 V DC/20 A, PSU300S		90 x 145 x 150	6EP1436-2BA10	
	24 V DC/40 A, PSU300S		150 x 145 x 150	6EP1437-2BA20	
Basic power supplies					
	SITOP PSU4200 – power supply with fresh power for basic applications NEW				
	24 V DC/3 A, PSU4200	120/230 V AC (85 ... 132/187 ... 264 V AC)	50 x 135 x 125	6EP3332-3SB00-0AX0	• For industrial applications with basic requirements • LED power monitor • Adjustable output voltage • Up to 93% efficiency • Active PFC in 20 A devices for low degree of idle current and inrush current • Temperature range –25 ... +70 °C • Push in connection technology • Expandable with all SITOP add-on modules
	24 V DC/5 A, PSU4200		50 x 135 x 125	6EP3333-3SB00-0AX0	
	24 V DC/10 A, PSU4200		70 x 135 x 125	6EP3334-3SB00-0AX0	
	24 V DC/20 A, PSU4200		70 x 135 x 125	6EP3336-3SB00-0AX0	
	24 V DC/10 A, PSU4200	400 ... 500 V 3 AC (340 ... 550 V 3 AC)	70 x 135 x 125	6EP3434-3SB00-0AX0	
	24 V DC/20 A, PSU4200		95 x 135 x 150	6EP3436-3SB00-0AX0	
	LOGO!Power 4th generation – Flat power supply for distribution boards in LOGO! 8 design				
	5 V DC/3 A	100 ... 240 V AC (85 ... 264 V AC/110 ... 300 V DC)	36 x 90 x 53	6EP3310-6SB00-0AY0	• Flat power supplies with widths from 18 mm (1 division unit) • Wide-range AC and DC input • Voltage measuring point for output current • Up to 90% efficiency over entire load range • Very low no-load losses of < 0.3% • Constant current and power reserve for loads with high inrush currents • Flexible rail or wall mounting • Green LED for "Output voltage ok" • Adjustable output voltage • Temperature range –25 ... +70 °C
	5 V DC/6.3 A		54 x 90 x 53	6EP3311-6SB00-0AY0	
	12 V DC/0.9 A		18 x 90 x 53	6EP3320-6SB00-0AY0	
	12 V DC/1.9 A		36 x 90 x 53	6EP3321-6SB00-0AY0	
	12 V DC/4.5 A		54 x 90 x 53	6EP3322-6SB00-0AY0	
	15 V DC/1.9 A		36 x 90 x 53	6EP3321-6SB10-0AY0	
	15 V DC/4 A		54 x 90 x 53	6EP3322-6SB10-0AY0	
	24 V DC/0.6 A		18 x 90 x 53	6EP3330-6SB00-0AY0	
	24 V DC/1.3 A		36 x 90 x 53	6EP3331-6SB00-0AY0	
	24 V DC/2.5 A		54 x 90 x 53	6EP3332-6SB00-0AY0	
	24 V DC/4 A		72 x 90 x 53	6EP3333-6SB00-0AY0	
	24 V DC/4 A, Ex		72 x 90 x 53	6EP3333-6SC00-0AY0	
	Power supply in SIMATIC design				
	24 V DC/2.5 A, PM1207	120/230 V AC (85 ... 132/176 ... 264 V AC)	70 x 100 x 75	6EP1332-1SH71	• Compact power module for SIMATIC S7-1200 with automatic range switchover
	24 V DC/3 A, PM 1507	120/230 V AC (85 ... 132/170 ... 264 V AC)	50 x 147 x 135	6EP1332-4BA00	• Load power supply of SIMATIC S7-1500 in slimline design with automatic range switchover and extra power (1.5 x I_{rated} for 5 s/min)
	24 V DC/8 A, PM 1507		75 x 147 x 135	6EP1333-4BA00	
	24 V DC/5 A, ET 200SP PS	120/230 V AC (85 ... 132/170 ... 264 V AC)	160 x 117 x 75	6EP7133-6AB00-0BN0	• Power supply for SIMATIC ET 200SP distributed I/O, flat design, with automatic range selection, extra power (1.5 x I_{rated} for 5 s/min), current monitor, and plugs for 3 load circuits
	24 V DC/10 A, ET 200SP PS			6EP7133-6AE00-0BN0	
	24 V DC/8 A, ET200pro PS	400 ... 480 V 3 AC (340 ... 550 V 3 AC)	310 x 135 x 90	6ES7148-4PC00-0HA0	• Power supply in IP67 degree of protection for electronics/sensors and load voltage for the SIMATIC ET200pro
	DC/DC converter				
	24 V DC/2.5 A, PSU3400 uni	24 V DC (18 ... 264 V DC), 230 V AC (88 ... 264 V AC)	32 x 100 x 100	6EP3332-0TA00-0AY0	• Stable output voltage from fluctuating DC voltage • Ideal for battery-operated applications such as driverless transport vehicles • PSU3400 in narrow metal housing, with reverse polarity protection and high efficiency up to 93.5% • PSU3400 24 V DC/24 V DC for compensating voltage losses with long cables • PSU3400 uni with universal input for 24 ... 240 V DC or 100 ... 240 V AC
	24 V DC/4 A, PSU3400	12 V DC (9 ... 18 V DC)	32 x 100 x 100	6EP3133-0TA10-0AY0	
	12 V DC/8 A, PSU3400	24 V DC (14 ... 32 V DC) startup from 18 V	32 x 100 x 100	6EP3123-0TA00-0AY0	
	12 V DC/15 A, PSU3400		42 x 125 x 120	6EP3124-0TA00-0AY0	
	24 V DC/5 A, PSU3400		32 x 100 x 100	6EP3133-0TA00-0AY0	
	24 V DC/10 A, PSU3400		42 x 125 x 120	6EP3134-0TA00-0AY0	
	24 V DC/3.5 A, NEC Class 2, PSU3400	48 V DC (28 ... 54 V DC) startup from 36 V	32 x 100 x 100	6EP3233-0TA10-0AY0	
	24 V DC/5 A, PSU3400		32 x 100 x 100	6EP3233-0TA00-0AY0	
	24 V DC/10 A, PSU3400		42 x 125 x 120	6EP3234-0TA00-0AY0	
	24 V DC/20 A, PSU400M	600 V DC (300 ... 900 V DC) startup from 340 V	90 x 125 x 125	6EP1536-3AA00	• High input voltage, e.g., for operation at the DC link of drives • High efficiency of 95%

[1)] Current ordering data plus terms and conditions of sale and delivery can be found in the Catalog KT10.1 and in the Internet at **siemens.com/industrymall**