

## SBS AT10 (Single Phase) & AT30 (Three Phase)

### Stationary Battery Chargers and Rectifiers



The AT.10 and AT.30 series chargers offer a combination of advanced technology microprocessor control and performance engineered modular construction which make them easy to set up, easy to operate, and easy to maintain. Single phase units (AT.10) are available from 12-130Vdc and rated from 6 to 100amps. Three phase units (AT.30) are available from 12-130Vdc and rated from 25 to 1000amps.

#### Applications:

- Substations
- Switchgear
- Power Generation
- Telecommunications
- UPS
- Microwave Relay Sites

#### Available Options:

- Filtered Charger - 30mVrms with battery connected
- Battery eliminator feature - 30mVrms without battery connected
- Individual alarm form "C" contacts/relays
- Temperature compensation w/ 20' lead
- Fan control contactor
- Communications kit using DNP-3 or MODBUS protocols
- Lightning arrester
- Ground pad with lug
- Medium or high rated circuit breakers
- Fungus proofing/tropicalization
- Static proofing
- Drip shield
- Floor mounting stand
- Relay rack mounting brackets
- NEMA 4 / NEMA 12 enclosure
- 100 watt cabinet heater strip, 1 phase
- Export packing
- Custom AC input voltages

#### Standard Features:

- Available in 12, 24, 48 & 130Vdc
- AT.10 (Single Phase) = 6, 12, 16, 20, 25, 30, 40, 50, 75 & 100amp models available
- AT.30 (Three Phase) = 25, 30, 40, 50, 60, 75, 100 -1000amp models available
- Available AC voltages from 120-480Vac; +10%, -12%
- AC & DC breakers standard
- Manual or automatic 0 - 255hr equalize timer
- 30-year design with MTBF of 100,000hrs typical and MTTR less than 1hr
- 1% digital LED meter
- Local LED's and common form "C" alarm contact for AC fail, high & low DC volts, pos. & neg. ground fault - individual alarm contacts available as option
- 1% or less ripple with battery connected (unfiltered model)
- Current limiting from 50% to 110% of rated current
- High DC voltage shutdown
- Reverse polarity protection
- Wall, relay rack and/or floor mountable
- Seismic Zone 4 analyzed/qualified
- ANSI 61 gray baked epoxy powder coated finish
- NEMA & IEEE compliant, UL & CSA listed

#### Cabinet Information

Cabinet Style	Dimensions - (in.) W x D x H {H*}	Wall Mount	Floor Mount	Rack Mount
586	16.25 x 10.25 x 15.38 {22.63}	Std.	Opt.	Opt.
594	19.50 x 12.75 x 17.75 {25.00}	Std.	Opt.	Opt.
5017	19.29 x 15.98 x 26.75	Std.	Opt.	N/A
5018	20.90 x 16.77 x 37.95	N/A	Std.	N/A
5030	42.00 x 24.00 x 62.00	N/A	Std.	N/A
5031	Contact SBS	N/A	Std.	N/A

\*Height with penthouse option  
Std. = Standard  
Opt. = Available as an option  
N/A = Not available

# SBS-AT10

(Single-Phase Models Available)

Ordering Information (For AT10 Single Phase Chargers)													
	A		B			C			D	E			Options*
Sample	AT10	1	3	0	0	0	6	F	2	4	0	SX	
Your Code	AT10											add options* here	

\*Consult SBS representative for options

Ampere Rating	12 Vdc		24Vdc		48Vdc		130Vdc	
	Cabinet Style	Shipping Weight*	Cabinet Style	Shipping Weight*	Cabinet Style	Shipping Weight*	Cabinet Style	Shipping Weight*
6	586	44	586	44	586	58	586	80
12	586	44	586	58	586	75	594	147
16	586	67	586	75	594	110	594	193
20	586	67	586	75	594	110	594	193
25	586	67	586	75	594	110	594	193
30	5017	140	5017	150	5017	170	5017	220
40	5017	155	5017	180	5017	220	5018	300
50	5017	170	5017	190	5017	240	5018	300
75	5018	220	5018	250	5018	340	5018	440
100	5018	280	5018	320	5018	440	-	-

\*Shipping weights are in lbs and approximate

	Description	Code	Feature
A	Single Phase	AT10	AT10 Series
B	Nominal DC Output Voltage	012	12Vdc
		024	24Vdc
		048	48Vdc
		130	130Vdc
C	Nominal DC Output Current (Amps)	See models available chart (i.e. 50amps = 050)	
D	Filtering	U	Unfiltered
		F	Filtered
		E	Eliminator
E	AC Input Voltage	120*	120Vac 60Hz
		208*	208Vac 60Hz
		240*	240Vac 60Hz
		480	480Vac 60Hz

\*120/208/240 Vac available from 6-25amps

# SBS-AT30

(Three-Phase Models Available)

Ordering Information (For AT30 Three Phase Chargers)													
	A		B			C			D	E			Options*
Sample	AT30	1	3	0	0	5	0	F	4	8	0	SXSX	
Your Code	AT30											add options* here	

Ampere Rating	12 Vdc		24Vdc		48Vdc		130Vdc	
	Cabinet Style	Shipping Weight*	Cabinet Style	Shipping Weight*	Cabinet Style	Shipping Weight*	Cabinet Style	Shipping Weight*
25	-	-	-	-	-	-	5018	300
30	-	-	-	-	-	-	5018	330
40	-	-	-	-	-	-	5018	380
50	5018	175	5018	210	5018	255	5018	500
75	5018	240	5018	275	5018	350	5018	550
100	5018	315	5018	360	5018	460	5018	680
125	5018	360	5018	425	5018	500	5030	750
150	5018	400	5018	480	5018	540	5030	915
200	5018	440	5018	550	5018	650	5030	1100
250	5030	570	5030	600	5030	750	5030	1400
300	5030	650	5030	710	5030	860	5030	1500
400	-	-	5030	780	5030	950	5031	1650
500	-	-	5030	850	5031	1350	5031	1820
600	-	-	5030	925	5031	1500	5031	1950
800	-	-	5031	1100	5031	1700	5031	2275
1000	-	-	5031	1200	5031	1900	5031	2600

\*Shipping weights are in lbs and approximate

	Description	Code	Feature
A	Three Phase	AT30	AT30 Series
B	Nominal DC Output Voltage	012	12Vdc
		024	24Vdc
		048	48Vdc
		130	130Vdc
C	Nominal DC Output Current (Amps)	See models available chart (i.e. 50amps = 050)	
D	Filtering	U	Unfiltered
		F	Filtered
		E	Eliminator
E	AC Input Voltage	208	208Vac 60Hz
		240	240Vac 60Hz
		480	480Vac 60Hz