

ABB Soft Starter Price List PDF

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Region	India
Status	Current

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This section was extracted without changing product descriptions, prices or technical content.

Softstarters portfolio

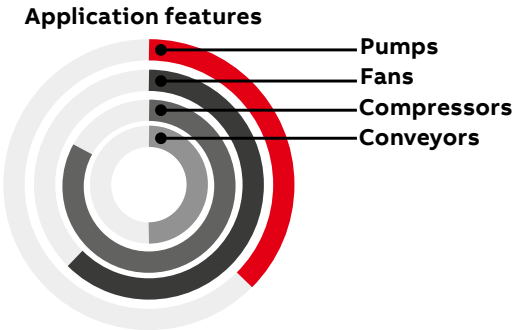
Overview



PSR - The compact range

PSR is our most compact softstarter with basic benefits and values. PSR can handle upto 100 starts per hour. Suitable for small motors.

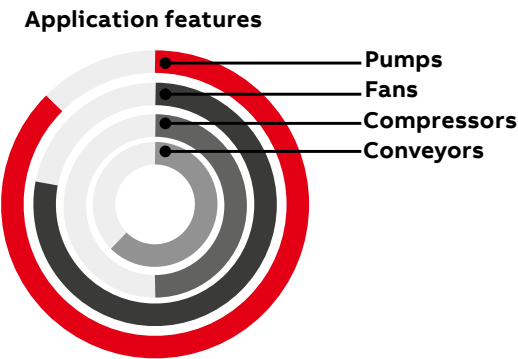
Current: 3 A... 105 A
Main voltage: 208 V... 600 V



PSE - The efficient range

The new generation PSE is a true general purpose softstarter. It's a perfect balance between high starting capacity and cost efficiency. Now featuring built-in fieldbus communication.

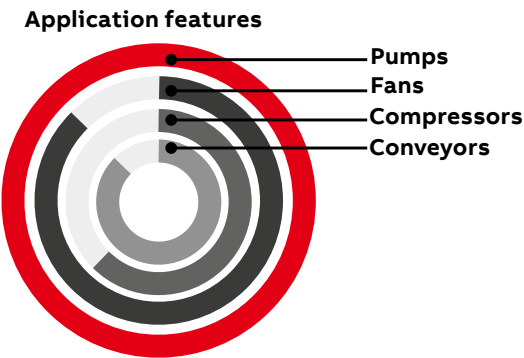
Current: 18 A... 370 A
Main voltage: 208 V... 600 V



PSTX - The advanced range

PSTX is the most complete alternative for any motor starting application. Featuring built-in Modbus and anybus modules that support all major communication protocols.

Current: 30 A... 1250 A
Main voltage: 208 V... 690 V



Softstarters

Motor starting matters

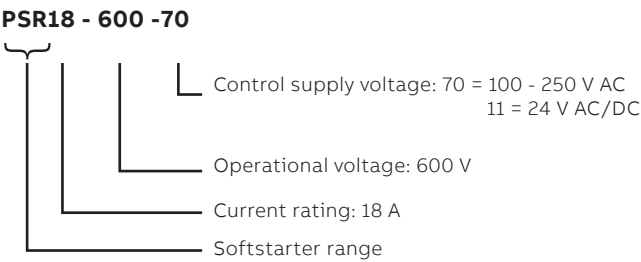
ABB softstarters offering consists of three ranges, covering every need. The products help you secure motor reliability, improve installation efficiency and increase application productivity.



PSR – The compact range	PSE – The efficient range	PSTX – The advanced range
• When soft start and stop benefits and values are requested • When operating a small motor • When up to 100 starts per hour are requested	• When there is limited space • When common softstarter functions and protections are needed • When communication is needed	• When full control and motor protection is needed • When an advanced softstarter with an extensive functionality is needed • When motor is connected inside delta or in 690 V

PSR	PSE	PSTX	• Standard, O Optional, - Not available
•	•	•	Built-in by-pass
-	-	•	Inside delta connection
-	•	•	Coated PCBs
-	•	•	Display and keypad
-	•	•	Torque control / Pump control
-	•	•	Settable current limit function
-	•	•	Electronic motor overload protection
-	-	•	PTC input for motor protection
-	-	•	Phase imbalance protection
-	-	•	Phase reversal protection
-	•	•	Locked rotor protection
-	•	•	Thyristor overtemperature protection
-	•	•	Underload protection
-	-	•	UV/OV protection
-	-	•	Programmable warning functions
-	•	•	Analog output
O	• ¹	• ¹	FieldBus communication
-	O	•	Event log
-	O	• ²	External keypad
-	-	•	Motor heating
-	-	•	Pump cleaning
-	-	•	Limp mode
-	-	•	Network diagnostics

1 - built in Modbus-RTU
2 - detachable key pad



Softstarters



PSR - The compact range

- Rated operational current: 3...105 A
- Operational voltage: 208...600 V AC
- Wide rated control supply voltage: 100...240 V AC, 50/60 Hz or 24 V AC/DC
- Two-phase controlled
- Soft start and soft stop with voltage ramp
- Built-in bypass for energy saving and easy installation
- Fieldbus communication with fieldbus plug adapter and the fieldbus plug

PSR3 ... PSR105

Rated operational voltage U_e , 208-600 V AC
Rated control supply voltage,



		U_s , 100 - 240 V AC			U_s , 24 V AC/DC		
415V Pe kW"	IEC Max rated A	Type	Order code	L.P. (₹)	Type	Order code	L.P. (₹)
1.5	3.9	PSR3-600-70	1SFA896103R7000	28,940	PSR3-600-11	1SFA896103R1100	28,940
3	6.8	PSR6-600-70	1SFA896104R7000	33,070	PSR6-600-11	1SFA896104R1100	33,070
4	9	PSR9-600-70	1SFA896105R7000	37,620	PSR9-600-11	1SFA896105R1100	37,620
5.5	12	PSR12-600-70	1SFA896106R7000	44,650	PSR12-600-11	1SFA896106R1100	44,650
7.5	16	PSR16-600-70	1SFA896107R7000	54,570	PSR16-600-11	1SFA896107R1100	54,570
11	25	PSR25-600-70	1SFA896108R7000	60,280	PSR25-600-11	1SFA896108R1100	60,280
15	30	PSR30-600-70	1SFA896109R7000	78,620	PSR30-600-11	1SFA896109R1100	78,620
18.5	37	PSR37-600-70	1SFA896110R7000	98,800	PSR37-600-11	1SFA896110R1100	98,800
22	45	PSR45-600-70	1SFA896111R7000	1,08,230	PSR45-600-11	1SFA896111R1100	1,08,230
30	60	PSR60-600-70	1SFA896112R7000	1,43,480	PSR60-600-11	1SFA896112R1100	1,43,480
37	72	PSR72-600-70	1SFA896113R7000	1,78,220	PSR72-600-11	1SFA896113R1100	1,78,220
45	85	PSR85-600-70	1SFA896114R7000	2,01,170	PSR85-600-11	1SFA896114R1100	2,01,170
55	105	PSR105-600-70	1SFA896115R7000	2,19,370	PSR105-600-11	1SFA896115R1100	2,19,370



PSRC - For Scroll Compressor

Technical specifications

- Rated operational current: 3...105 A
- Operational voltage: 208...600 V AC
- Control supply voltage: 100...240 V AC
- Ambient temperature -25 to +60 degrees

- Run and Top of Ramp relays available for monitoring
- Connection kits available for connection to ABB's manual motor starters (MMS)

Protections

- Motor protection with manual motor starter

Communication

- Fieldbus communication with fieldbus plug adapter and fieldbus plug

Features

- Two-phase controlled
- Soft start with voltage ramp
- Built-in bypass for energy saving
- Easy set-up and easy installation

415V Pe kW"	IEC Max rated operational Ie A	Type	Order code	L.P. (₹)
1.5	3.9	PSRC3-600-70	1SFA896203R7000	30,590
3	6.8	PSRC6-600-70	1SFA896204R7000	31,510
4	9	PSRC9-600-70	1SFA896205R7000	35,990
5.5	12	PSRC12-600-70	1SFA896206R7000	40,500
7.5	16	PSRC16-600-70	1SFA896207R7000	53,980
11	25	PSRC25-600-70	1SFA896208R7000	60,270
15	30	PSRC30-600-70	1SFA896209R7000	80,950
18.5	37	PSRC37-600-70	1SFA896210R7000	1,04,610
22	45	PSRC45-600-70	1SFA896211R7000	96,410
30	60	PSRC60-600-70	1SFA896212R7000	1,27,840
37	72	PSRC72-600-70	1SFA896213R7000	1,74,570
45	85	PSRC85-600-70	1SFA896214R7000	2,01,150
55	105	PSRC105-600-70	1SFA896215R7000	2,10,560



PSE - The efficient range

- Rated operational current: 18...370 A
- Operational voltage: 208...600 V AC
- Wide rated control supply voltage: 100...250 V AC, 50/60 Hz
- Voltage ramp and torque control for both start and stop
- Two-phase controlled, current limit and kick-start
- Built-in bypass for energy saving and easy installation
- External keypad rated IP66 (Type 1, 4X,12) as an option
- **NEW** Built-in Modbus-RTU communication for monitoring and control
- Fieldbus communication with fieldbus plug adapter and the fieldbus plug
- Analog output for display of motor current
- Electronic overload, underload and locked rotor protection

PSE18 ... PSE370

Normal starts, Class 10, In-Line

Rated operational voltage U_e , 208-600 V AC

Rated control supply voltage, U_s , 100 - 240 V AC

415V Pe kW	IEC Max rated operational Ie A	Type	Order code	L.P. (₹)
7.5	18	PSE18-600-70	1SFA897101R7000	99,190
11	25	PSE25-600-70	1SFA897102R7000	1,00,650
15	30	PSE30-600-70	1SFA897103R7000	1,22,930
18.5	37	PSE37-600-70	1SFA897104R7000	1,48,420
22	45	PSE45-600-70	1SFA897105R7000	1,68,470
30	60	PSE60-600-70	1SFA897106R7000	1,96,860
37	72	PSE72-600-70	1SFA897107R7000	2,22,330
45	85	PSE85-600-70	1SFA897108R7000	2,50,580
55	106	PSE105-600-70	1SFA897109R7000	2,76,080
75	143	PSE142-600-70	1SFA897110R7000	3,23,540
90	171	PSE170-600-70	1SFA897111R7000	3,97,710
110	210	PSE210-600-70-1	1SFA897112R7001	4,42,900
132	250	PSE250-600-70-1	1SFA897113R7001	4,56,630
160	300	PSE300-600-70-1	1SFA897114R7001	5,47,420
200	370	PSE370-600-70-1	1SFA897115R7001	6,02,890

For accessories consult

Softstarters

Motor starting matters



PSTX - The advanced range

- Rated operational current: 30 to 1250 A
- Three-phase controlled
- Operational voltage: 208 – 690 VAC
- Wide rated control supply voltage: 100 – 250 V, 50/60 Hz (inside-delta: 2160 A)
- Both in-line and inside-delta connection
- Coated circuit boards protecting from dust, moist and corrosive atmosphere
- Detachable keypad rated IP66 (4X outdoor)
- Built-in bypass for energy saving and easy installation
- Built-in Modbus RTU for monitoring and control
- Support for all major communication protocols
- Analog output for measurement of current, voltage, power factor etc.

PSTX30 ... PSTX370

Normal starts, class 10, in-line, ordering details

Rated operational voltage U_e , 208-600 V

Rated control supply voltage U_s , 100-250 V AC, 50/60 Hz



415V Pe kW	IEC Max rated operational Ie A	Type	Ordering code	L.P. (₹)
15	30	PSTX30-600-70	1SFA898103R7000	Upon request
18.5	37	PSTX37-600-70	1SFA898104R7000	
22	45	PSTX45-600-70	1SFA898105R7000	
30	60	PSTX60-600-70	1SFA898106R7000	
37	72	PSTX72-600-70	1SFA898107R7000	
45	85	PSTX85-600-70	1SFA898108R7000	
55	106	PSTX105-600-70	1SFA898109R7000	
75	143	PSTX142-600-70	1SFA898110R7000	
90	171	PSTX170-600-70	1SFA898111R7000	
110	210	PSTX210-600-70	1SFA898112R7000	
132	250	PSTX250-600-70	1SFA898113R7000	
160	300	PSTX300-600-70	1SFA898114R7000	
200	370	PSTX370-600-70	1SFA898115R7000	
250	470	PSTX470-600-70	1SFA898116R7000	
315	570	PSTX570-600-70	1SFA898117R7000	
400	720	PSTX720-600-70	1SFA898118R7000	
450	840	PSTX840-600-70	1SFA898119R7000	
560	1050	PSTX1050-600-70	1SFA898120R7000	
710	1250	PSTX1250-600-70	1SFA898121R7000	

Rated operational voltage Ue, 208...690 V , rated control supply voltage Us, 100...250 V AC, 50/60 Hz

415V Pe kW	IEC Max rated operational Ie A	Type	Ordering code	L.P. (₹)
15	30	PSTX30-690-70	1SFA898203R7000	Upon request
18.5	37	PSTX37-690-70	1SFA898204R7000	
22	45	PSTX45-690-70	1SFA898205R7000	
30	60	PSTX60-690-70	1SFA898206R7000	
37	72	PSTX72-690-70	1SFA898207R7000	
45	85	PSTX85-690-70	1SFA898208R7000	
55	106	PSTX105-690-70	1SFA898209R7000	
75	143	PSTX142-690-70	1SFA898210R7000	
90	171	PSTX170-690-70	1SFA898211R7000	
110	210	PSTX210-690-70	1SFA898212R7000	
132	250	PSTX250-690-70	1SFA898213R7000	
160	300	PSTX300-690-70	1SFA898214R7000	
200	370	PSTX370-690-70	1SFA898215R7000	
250	470	PSTX470-690-70	1SFA898216R7000	
315	570	PSTX570-690-70	1SFA898217R7000	
400	720	PSTX720-690-70	1SFA898218R7000	
450	840	PSTX840-690-70	1SFA898219R7000	
560	1050	PSTX1050-690-70	1SFA898220R7000	
710	1250	PSTX1250-690-70	1SFA898221R7000	

Please refer technical catalogue for heavy duty starts, class 30.



EtherNet/IP (2-port)
Modbus TCP (2-port)
Profinet (2-port)



EtherNet/IP (1-port)
Modbus TCP (1-port)



Profibus
Modbus-RTU

Soft starter communication accessories

For communication protocol	Type	Ordering code	L.P. (₹)
Profibus	AB-PROFIBUS-1	1SFA899300R1001	Upon request
Devicenet	AB-DEVICENET-1	1SFA899300R1002	
Modbus-RTU	AB-MODBUS-RTU-1	1SFA899300R1003	
EtherNet/IP (1-port)	AB-ETHERNET-IP-1	1SFA899300R1005	
EtherNet/IP (2-port)	AB-ETHERNET-IP-2	1SFA899300R1006	
Modbus TCP (1-port)	AB-MODBUS-TCP-1	1SFA899300R1007	
Modbus TCP (2-port)	AB-MODBUS-TCP-2	1SFA899300R1008	
Profinet (2-port)	AB-PROFINET-2	1SFA899300R1010	