







Power Transfer Switch Comparison Features

Comparison Features	ATS Product Series			
	165 	300 	4000 	7000 
Intended Application	Residential Light Commercial	Commercial Light Industrial	Industrial	Mission Critical Critical Power
Ampere sizes available	100, 230	30 - 3,000	30 - 4,000	30 - 4,000
Low Voltage	220 - 240V	115 - 600V	115 - 600V	115 - 600V
Medium Voltage	N/A	N/A	N/A	5kV, 15kV
Open Transition Transfer Switch	Yes	Yes	Yes	Yes
Service Entrance Rated Transfer Switch	Yes	Yes	Yes	Yes
Power Transfer Load Center	Yes	Yes	N/A	Yes
Closed-Transition Transfer Switch	N/A	N/A	Yes	Yes
Delayed-Transition Transfer Switch	N/A	N/A	Yes	Yes
Soft Load Transfer	N/A	N/A	N/A	Yes
Bypass-Isolation Transfer Switch	N/A	N/A	N/A	Yes
Closed-Transition Bypass-Isolation TS	N/A	N/A	N/A	Yes
Delayed-Transition Bypass-Isolation TS	N/A	N/A	N/A	Yes
Soft Load Bypass-Isolation TS	N/A	N/A	N/A	Yes
WCR when used with any circuit breaker	10kA	N/A	10-100 kA	10-100 kA
WCR when used with specific circuit breakers	10kA	22-100kA	22-100kA	22-100kA
WCR when used with current limiting fuses	100-200kA	100-200kA	100-200kA	100-200kA
Withstand Short Time Rating	N/A	N/A	36-65kA	36-65kA
Solid	STD	STD	Yes	Yes
Switched	N/A	Yes	Yes	Yes
Overlapped	N/A	N/A	N/A	Yes

Comparison	ATS Product Series			
	165	300	4000	7000
Voltage and Frequency Settings				
Phase Selection	Single Phase	Single or Three Phase	Single or Three Phase	Single or Three Phase
Pick up Normal Source Voltage	204 Volts	90% or 95%	85 to 100%	85 to 100%
Drop out Normal Source Voltage	180 Volts	70% to 90%	70 to 98%	70 to 98%
Pick up Emergency Source Voltage	204 Volts	90% Fixed	85 to 100%	85 to 100%
Drop out Emergency Source Voltage	180 Volts	75% Fixed	70 to 98%	70 to 98%
Frequency	60Hz	50 or 60 Hz	50 or 60 Hz	50 or 60 Hz
Pick up Emergency Source Frequency	57Hz	95% Fixed	90 to 100%	90 to 100%
Drop out Emergency Source Frequency	54Hz	85% Fixed	85 to 98%	85 to 98%
Normal Overvoltage Trip	N/A	N/A	102 to 115%	102 to 115%
Emergency Overvoltage Trip	N/A	N/A	102 to 115%	102 to 115%
Normal Overfrequency Trip	N/A	N/A	102 to 110%	102 to 110%
Emergency Overfrequency Trip	N/A	N/A	102 to 110%	102 to 110%
Pick up Normal Source Frequency	N/A	N/A	90 to 100%	90 to 100%
Drop out Normal Source Frequency	N/A	N/A	85 to 98%	85 to 98%
Normal & Emergency Voltage Unbalance	N/A	N/A	Yes	Yes
Time Delay Settings				
Override Normal Source Momentary Outage	3 Seconds	1 or 3 Seconds	0 to 6 Seconds	0 to 6 Seconds
Transfer to Emergency	15 Seconds	0 or 5 Minutes	0 to 60 Minutes	0 to 60 Minutes
Re-transfer to Normal Utility Power Loss Mode	5 Minutes	1 Sec. to 30 Mins.	0 to 60 Minutes	0 to 60 Minutes
Engine Cool Down	1 Minute	5 Minutes	0 to 60 Minutes	0 to 60 Minutes
Override Emergency Source Momentary Outage	15 Seconds	4 Seconds	0 to 60 Minutes	0 to 60 Minutes
Emergency Exerciser	14 Day	7 Day	Programmable	Programmable
Load Connected to Normal	Yes	Yes	Yes	Yes
Load Connected to Emergency	Yes	Yes	Yes	Yes
Normal Source Available	Yes	Yes	Yes	Yes
Emergency Source Available	Yes	Yes	Yes	Yes
Transfer Test Switch	Yes	Yes	Yes	Yes
Terminals For Remote Transfer Control	N/A	STD	STD	STD
By-pass Time Delay Switch	Yes	Yes	Yes	Yes
Transfer Inhibit	N/A	Yes	Yes	Yes
In-Phase Monitor	N/A	Yes	Yes	Yes
Load Disconnect Contacts with Time Delay	N/A	STD	Optional	Optional
Event Log	N/A	N/A	Yes	Yes
Power Manager	N/A	N/A	Optional	Optional
Transfer Controls Lock Out	N/A	N/A	Yes	Optional
Type 1	Yes	Yes	Yes	Yes
Type 3R	Yes	Yes	Yes	Yes
Type 4	N/A	Yes	Yes	Yes
Type 4X	N/A	Yes	Yes	Yes
Type 12	N/A	Yes	Yes	Yes
RS-485 Serial	N/A	Yes	Yes	Yes
Ethernet	N/A	Yes	Yes	Yes
Modbus	N/A	N/A	Yes	Yes
Monitoring and Control via ASCO Products	N/A	Yes	Yes	Yes
Optional	Limited	Limited	Limited	Extensive