



Automatic Transfer Switch (ATS)

TSS-50/200-US Specification

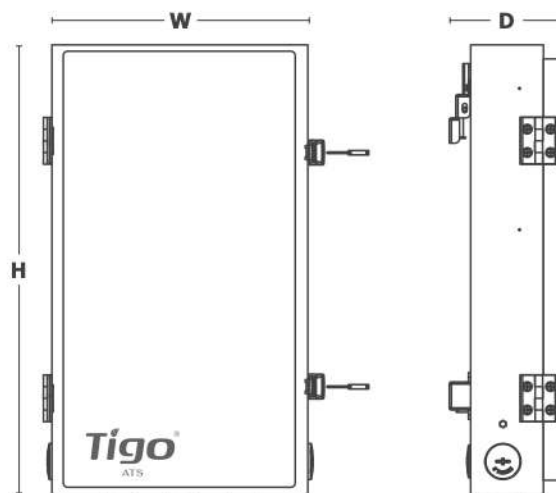
The Tigo ATS is a necessary and required component for on-grid storage. The ATS senses grid loss and safely switches from grid + solar/battery to solar/battery only.

Features

- Available in 50A and 200A models
- Output 120Vac and 240Vac split phase
- Built-in transformer
- IP65 - Outdoor and indoor rated
- Essential load back up

Dimensions

	50A	200A
Dimensions (W x D x H)	480 x 275 x 105mm (18.9 x 4.1 x 10.8in)	445 x 160 x 550mm (17.5 x 6.32 x 21.7in)
Weight	15kg (33lbs)	35kg (77lbs)



Standard
Warranty



Powered by Tigo
Energy Intelligence



Critical load and
entire home backup



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Input Data	50	200
Inverter backup		
# of inverter inputs	1	1
Nominal Voltage	240V	
Nominal Frequency	50/60Hz	
Max. Continuous Input Current	48A	
Max. Continuous power in backup operation	up to 10000VA	
Peak Power in backup operation	12000VA	
Max. Continuous Input Current in backup operation	48@240Vac	
Peak Current in backup operation	50@240Vac	
AC Grid		
Nominal Voltage	240V	
Operating voltage range (L-L)	180-270V	
Nominal Frequency	50/60Hz	
AC Frequency Range	45-65Hz	
Max. Power	10000VA	38000VA
Max. Current	48A@240Vac	160A
AC Main Circuit Breaker	N/A	200A
Grid Disconnection Switchover time	<2s	<100ms

Output Data (Backup)

Rated Power (L-L)	10000VA
Rated Power (L-N)	5000VA
Output Voltage	120/240Vac
Max. Continuous Current (L-N)	25A@120Vac
Max. Continuous Current (L-L)	48A@240Vac
Imbalance compensation in backup operation	1000W

Certifications

UL1741:2018, CSA C22.2 NO 107.1:2016 UL1741, CSA 22.2 NO 107.1:2016, UL869A



General Data	50	200
Cooling	Natural Convection	
Ingress Protection	NEMA 4X (IP65)	
Installation	Wall Mount	
Operating temperature range	-25°C ~ +50°C (-13°F ~ 122°F)	-40°C ~ +50°C (-40°F ~ 122°F)
Weight	15kg / 33lbs	35kg / 77lbs
Dimensions (W x D x H)	480 x 105 x 275mm (18.9 x 4.1 x 10.8in)	445 x 160 x 550mm (17.5 x 6.32 x 21.7in)
Warranty	132 Months	
Manual Control Bypass Switch	No	Yes
Communications	N/A	RS485, WiFi-X opt
Energy Meter Import/Export	N/A	1% accuracy
Noise	<25dB	<35dB
Operating Humidity	Up to 100% non-condensing	
Max Elevation	3000m (9842.52ft)	

Additional resources



Tigo EI App



Tigo ATS



Support



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