



Automatic Transfer Switch (ATS)

TSS-50/200-US Specification

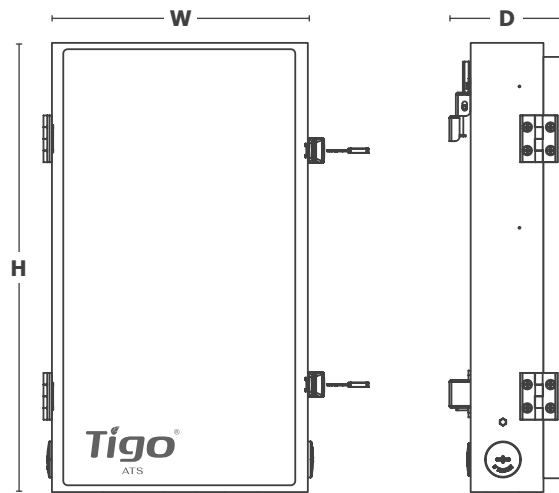
The Tigo ATS is a necessary and required component for on-grid storage. The ATS senses grid loss and safely switches from grid + solar/battery to solar/battery only.

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 H x D)	480 x 275 x 105mm (18.9 x 10.8 x 4.1in)	550 x 450 x 180mm (21.7 x 17.7 x 7.1in)
Weight	15kg (33lbs)	29.7kg (65.48lbs)



Standard
Warranty



Powered by Tigo
Energy Intelligence



Critical load and
entire home backup



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Input Data	50	200
<u>Inverter backup</u>		
# of inverter inputs	1	1
Nominal Voltage	240V	
Nominal Frequency	50/60Hz	
Max. Continuous Output Current	48A	
Max. Continuous power in backup operation	11400VA	
Peak Power in backup operation	11400VA	
Max. Continuous Input Current in backup operation	48A@240Vac	
Peak Current in backup operation	48A@240Vac	
<u>AC Grid</u>		
Nominal Voltage	240V	
Operating voltage range (L-L)	180-270V	
Nominal Frequency	50/60Hz	
AC Frequency Range	45-65Hz	
Max. Power	10000VA	48000VA
Max. Current	48A@240Vac	160A
AC Main Circuit Breaker	50A	200A
Grid Disconnection Switchover time	<2s	<400ms

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	3000W

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	30kg / 65lbs
Dimensions (W x H x D)	480 x 275 x 105mm (18.9 x 10.8 x 4.1in)	455 x 550 x 245mm (17.9 x 21.65 x 9.7in)
Warranty	132 Months	
Manual Control Bypass Switch	No	Yes
Communications	N/A	RS485
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



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