

SKYSTREAM 3.7[®]

SMALL WIND TURBINE

Inverter Specifications

Manufacturer:	Southwest Windpower
Model:	Skystream 3.7
Inverter Type:	True sine wave, utility-interactive
Generator Type:	Permanent magnet, synchronous, rectified and inverted to grid
Commutation Type:	Line commutation
Nameplate/Rated Capacity:	2.3 [kW] continuous at 25 C, 2.4 [kW] peak
KVA Capacity:	2.3 [KVA] continuous at 25 C, 2.4 [KVA] peak
Power Factor:	99.9% at rated capacity
Nominal output voltage (AC):	120/240 [VAC] or 120/208 [VAC]
Max continuous output current:	10 [A] at 120/240 [VAC] or 120/208 [VAC] or 11.54 [A] at 120/208 [VAC]
Ambient temperature range:	-20 C to 50 C
Total Harmonic Distortion:	2.7% at rated capacity, meets UL 1741 and IEEE 1547 requirements
Efficiency:	93% at rated capacity
Frequency Accuracy:	+/- 0.05 [Hz]
Voltage Accuracy:	+/- 2.0V (L-N)
Surge Rating:	IEEE1547 Surge Rating B3
Short Circuit Current:	720A peak before fast acting fuses open
Enclosure type:	3R (Rainproof)


SKYSTREAM 3.7™ SERIAL

This unit is provided with fixed trip limits and shall not be aggregated above 30kV on a single point of common connection.

configuration	120/240V	120/208V	240V
output power factor rating	1.0		
operating voltage range (ac)	106-132V 1-n 212-264V		
operating frequency range	59.3-60.5 Hz		
nominal output voltage (ac)	240V	208V	240V
normal output frequency	60Hz		
max continuous output current	10A	11.5A	10A
rated output power	2300W		
peak output power	2400W		
software revision	REV 2.02.00		
max ambient temperature	50C output is reduced above 60C nacelle		


Caution Risk of electric shock, do not remove cover. No user serviceable parts inside. Refer to qualified personnel.

Caution Risk of electric shock, both AC and DC voltage sources are terminated inside this equipment. Disconnect AC source and restrain turbine blades before servicing.



Skystream utility interactive inverter

Enclosure Type
3R Rainproof
IEEE 1547 Surge Rating B3



Southwest Windpower
Renewable Energy Made Simple

made in the USA

Utility Interactive Ready

Meets UL 1741, Standard for Safety for Inverters, Converters, Controllers and Interconnections System Equipment for Use with Distributed Energy Resources, 1st Ed.; CAN/CSA-C22.2 No.107.1-01, 3rd Ed., General Use Power Supplies, IEEE 1547.

Configurations

Grid Type	Voltage Range [VAC_L-N]	Voltage Range [VAC_L-L]	Frequency Range [Hz]	Line Configuration
120/240 [VAC], 60 [Hz], Split Single Phase	105.6 - 132.0	211.2 - 264.0	59.3 - 60.5	L - N - L
120/208 [VAC], 60 [Hz], Three Phase	105.6 - 132.0	182.9 - 228.6	59.3 - 60.5	L - N - L

Southwest Windpower

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Makers of Skystream 3.7[®] / AIR / Whisper

 Please recycle

