

# Innovating the Future of RV POWER

## WF-5318/20 INVERTER SERIES | 1800/2000-WATT

### Technology and **INNOVATION**

The newly launched WF-5300 Inverter Series provides customers with an innovative power management system providing customers with two more options for your inverter needs. Both the WF-5318 (1800-watt output rate) and the WF-5320 (2000 watt output rate) deliver outstanding performance and efficiency.



The internal transfer system will automatically and instantly supply inverter power if your external AC power source stops functioning. WFCO provides the latest in Inverter Technology with essential features, including: a remote-control panel complete with power-status readouts, a pure sine wave output needed for your RV's premium electronics and refrigerators, complete overload protection, easy lever terminals for AC wiring, and a hi-pot testing design that allows you to check the output circuits through the inverter without changing any of your connections.

### PRODUCT FEATURES

Other features for both the WF-5320 and WF-5318:

- MCU control high frequency Switching Mode topology
- Output overload and short-circuit protection
- Over temperature protection
- High-surge current walk-in capability
- Automatic utility bypass transfer switch
- Greater than 88% System Efficiency
- No parts replacement when battery input reverse polarity.



- Standard LCD Remote (On/Off) control panel



SPECIFICATIONS		
MODEL	WF-5318	WF-5320
Inverter	Sine Wave	
Waveform	115 V ac ±3%	
Output Voltage	115 V ac ±3%	
Output Current	15.7 A	17.4 A
Continuous Output Power	1800 W	2000 W
Surge Power, 2 sec.	3600 W	4000 W
Output Frequency	60 Hz ±0.3 Hz	
Output THD, resistive load	< 4%	
Input Voltage Range	10.0 - 16.0 V dc	
Input Current (no load), 12 Vdc input	< 1.6 amps	
Input Current (full load), 12 Vdc input	180 A	200 A
Peak Efficiency	> 90%	
Transfer Switch		
Transfer Time	< 20 ms	
Ac Pass-Through Rating	30 amp, 24.8 amp continuous	
Switch to Shore Power	> 80 Vac or < 130 Vac	
Switch to Inverter	< 90 Vac or > 140 Vac	
Remote Control Panel		
Control Functions	Inverter Start/Stop Display Select	
Display Functions	Ac Output Voltage, Current, Power Dc Input Voltage, Current, Power Ac Input/Standby/Invert Status Protect/Fault Diagnostics	
Protection		
Output Circuit Breaker	30 A	
Overload	Auto shutdown, auto recovery	
Short Circuit	Auto shutdown	
Over Temperature	Auto shutdown, one auto recovery during operation	
Battery Reverse Polarity	No damage	
Safety Listing	UL 458	
Connectors		
Dc Input	Bolts for Ring Lugs Size IMB/L 25, 13mm hex nuts	
Ac Input and Output	Lever connectors for up to 10 AWG wire	
Ground	Screw Clamp for up to 2 AWG wire	
Remote Control Panel Connector Type	6P6C (RJ-25)	
Remote Control Panel Cable Length	20 ft (6 m)	30 ft (9 m)
Mechanical/Environment		
Dimensions (LxWxD)	12.3 (13.6) x 9.5 (10.7) x 4 inches	
Weight	11.5 lb	
Cooling	Allow at least 2 cubic feet of air around unit with 3 inches of space at each end for air flow.	
Unit Installation	Bottom or side panel facing downward	
Operating Environment	14 °F to 104 °F and 20% to 90% RH Non-condensing	