

# 900

## Heavy Duty Dual Channel Cycling Station



### Cycling and Testing for Large Hybrids

The 900 is Webasto's heavy duty test solution. With greater voltage, current and power capability, this system is ideal for testing and emulating energy storage and drivetrain components of large electric and hybrid electric vehicles (HEV), such as buses, trucks and military vehicles. The 900 is used worldwide to support the development of fuel cell buses, hybrid locomotives and other HEVs. All Webasto power cycling systems are equipped with a real-time clock on the system's control board that enables accurate measurement of Ah and kWh during cycling.

### Key Features:

- 99% Power Factor
- Energy Returned to the Grid at 92+% Efficiency
- Dual Independently Controlled Channels
- Analog Control Signal
- Automatic Shutdown on Loss of Power (Anti Islanding)
- Independent Channel Interlock
- Load Disconnect Protection (camlock model only)
- Easy Front Panel Connections
- Emergency Stop Button
- Flexible DC Supply or Load Capabilities
- Fully Programmable Computer Control
- Multiple Control Interfaces/Options: Manual, Remote Operating System (ROS) Software, LabView, CAN and 3rd Party Control Software
- Remote Voltage Sense
- Bi-Directional Load Capability

## Technical Specifications

	900
Input Voltage Options	3 Phase, 380, 440 and 480 VAC
Current Draw	410, 354, and 324 Amps respectively
Frequency	60Hz (50 Hz available)
Isolation transformer	Internal transformer
Power factor	> 99%
Harmonic distortion	< 3% THD; IEEE 519 Compliant
Multiple User Interfaces	Manual; Remote Operation System (ROS); DCOM Driver for LabVIEW; C++ and Visual Basic; CAN
Current Ripple - Independent & parallel mode	< 65mArms and 130mArms, respectively
Current Ripple - Max ripple from load	< 15Arms
Operating Environment - Temperature	0-35°C
Operating Environment - Humidity	5-90% non-condensing
Weight	6063 lbs (2750 kg)
Dimensions	73" W x 76.5" H x 37" D (185cm W x 194cm H x 94cm D)

## Operating Range

Configuration	Voltage (Vdc)	Current (Adc)	Power (kW)
Independent	+8 to +750	-500 to +500	-250 to +250
Optional Range	+751 to +825	-400 to +400	-225 to +225
	+826 to +900	-300 to +300	-200 to +200
Parallel	+8 to +750	-1000 to +1000	-250 to +250
Optional Range	+751 to +825	-800 to +800	-225 to +225
	+826 to +900	-600 to +600	-200 to +200

## Accuracy & Resolution

Measurement	Accuracy (±)	Resolution
Voltage	250mV or 0.15% of the output voltage	50mV
Current Independent (2 channels)	250mA or 0.25% of the reading	40mA
Current External Parallel (1 channels)	350mA or 0.35% of the reading	80mA