

MT-30

Dual channel cycling station for modules



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 User Interfaces: Manual; Webasto Charging Systems, Inc. Remote Operating System (ROS), Window DCOM Driver for LabView, Visual Basic, C++, Studio.NET, CAN
- Remote Voltage Sense
- Bi-Directional Load Capability

The economical solution

Webasto's MT-30 is ideal for testing smaller applications such as battery modules, fuel stacks, partial modules and smaller components. This system provides an economical solution for a variety of testing needs while occupying a small footprint in the laboratory. All Webasto power cycling systems are equipped with a real-time clock on the system's control board that enables measurement of Ah and kWh during cycling.

Technical specifications

	MT-30
Input voltage options	3 Phase, 240, 380, 440 and 480 VAC
Current draw	130, 83, 71 and 66 A
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	< 0.5Arms
Current ripple - max ripple from load	< 15Arms
Operating environment - temperature	32 - 95°F (0 - 35°C)
Operating environment - humidity	5-90% non-condensing
Weight	1,320 lbs (599 kg)
Dimensions (L x W x H)	34 x 40 x 55 in. (87 x 102 x 140 cm)

Operating range

Configuration	Voltage (Vdc)	Current (A _{dc})	Power (kW)
Channel A	+5 to +120	-330 to +330	-30 to +30
Channel B	+5 to +120	-170 to +170	-20 to +20
Parallel	+5 to +120	-500 to +500	-30 to +30

Accuracy & resolution

Measurement	Accuracy (±)	Resolution
Voltage	125mV or 0.15% of the reading	20mV
Current channel A	125mA or 0.25% of the reading	20mA
Current channel B	50mA or 0.25% of the reading	20mA
Current parallel	135mA or 0.25% of the reading	40mA



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