



an EnerSys® company

XMBS with Auto Sync

External Maintenance Bypass Switch



- Voltage and phase monitoring for safe and reliable system bypass which maintains power to critical AC loads
- Automated synchronization for in-phase transfer; protecting downstream equipment
- Power metering for voltage, current and power display and monitoring
- User selectable AUTO mode transfer from inverter to utility in event of inverter failure for increased availability
- LCD indicators for power flow, and auxiliary contacts for remote monitoring

The External Maintenance Bypass Switch with Auto Sync (XMBS) makes scheduled maintenance or inverter replacement easier and more reliable by allowing a manual transfer of connected equipment to utility power without disruption to loads.

Most AC power failures in a critical facility or data center can be linked to faulty transfers between utility AC and backup power sources. The patent-pending Auto Synch technology in the XMBS minimizes these failures by preventing transfers when voltages and phases are not in range.

The Auto Transfer feature in the XMBS enables transfer to Utility automatically if an Inverter system fails. The easy-to-use XMBS includes smart LCD metering that provide valuable information to users on site for improved operational efficiency.

The three operating models of the XMBS are:

- INVERTER: Routes inverter output power to loads
- UTILITY: Routes AC utility power to loads, bypassing the inverter
- AUTO: Routes inverter output power to loads, and auto transfers to utility upon inverter fail

The XMBS is available for the following applications:

- 120VAC single phase
- 120/240VAC split phase
- 120/208VAC two phase
- 120/208VAC three phase

XMBS with Auto Sync Wall/Rack Mount External Maintenance Bypass Switch

P/N: Refer online to ordering guide for P/N and configurations

STANDARD FEATURES

- Load safe operation to prevent dropped loads
- Ease of use with power flow
- Padlock safety feature to lock the switch in bypass mode during UPS service
- Electromechanical manual override feature, with key switch for emergency situations
- Same look and feel for all power sizes

ELECTRICAL

Model	100A 2-Pole	100A 3-Pole	250A 2-Pole	250A 3-Pole
System Input Voltage:	120 Single Phase (or) 120/208 VAC 2-Pole (or) 120/240 VAC Split-Phase	120/208 VAC 3-Phase	120/208 VAC 2-Pole (or) 120/240 VAC Split-Phase	120/208 VAC 3-Phase
Current Rating:	100A	100A	250A	250A
Short Circuit Current Rating:	10 kAIC			
Switches*:	L1 & L2	L1, L2 & L3	L1 & L2	L1, L2 & L3
Optional Inverter Feeder Breaker**:	100A 2-Pole	100A 3-Pole	250A 2-Pole	250A 3-Pole
Optional Redundant AC Bypass Feed**:	Available			
AUTO Transfer:	Selectable Auto Mode transfers from Inverter to Utility if Inverter Output fails			

MONITORING

Electrical Interlock, Automated Sync request, Dry Contacts, Power Flow, Utility Voltage, Utility Current, Inverter Voltage, Output Current, and associated electrical parameters (Phase Angle, THD, Power) and CAN out interface to Cordex HP.***

POWER METERING

Voltage Accuracy:	±0.5%	±0.5%	±0.5%	±0.5%
Current Accuracy:	±2.5%	±2.5%	±2.5%	±2.5%
Power Accuracy:	±3%	±3%	±3%	±3%

MECHANICAL

Dimensions:	mm: 622H x 441W x 193W (260W with Lever) inches: 24.5H x 17.37W x 7.60W (10.25W with Lever)		mm: 975H x 536W x 193W (260W with Lever) inches: 38.37H x 21.125W x 7.60W (10.25W with Lever)	
AC Feed:	Top		Top, Bottom, Rear or Side	
Wire Lug:	Wire Capacity:	2/0 - 14AWG	2/0 - 14AWG	350 kcmil – 6 AWG
	Connections per Lug:	1	1	2
Mounting:	Wall or 19" or 23" Rack		Wall or 23" Rack	
Aux Connections:	14-30AWG			
Weight:	31.75kg (70lbs)		59kg (130.1lbs)	
Temperature:	Operating: -25 to 50°C (-13 to 122°F) Storage: -40 to 75°C (-40 to 167°F)			
Relative Humidity:	Up to 95%, non-condensing			
Altitude:	Operating: Up to 3,858m (12,000ft) above sea level Storage: Up to 4,572m (15,000ft) above sea level			



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Alpha Technologies Services, Inc. USA: 3767 Alpha Way, Bellingham, WA 98226 Canada: 7700 Riverfront Gate, Burnaby, BC V5J 5M4
Toll Free North America: +1 800 322 5742 Outside US: +1 360 647 2360 Technical Support: +1 800 863 3364
For more information visit www.alpha.com

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Agency Compliance				
Safety:	UL/CUL 508A			
Selection Guide				
Model	100A 2-Pole	100A 3-Pole	250A 2-Pole	250 3-Pole
AMPS HP2 Medium 10K:	X			
AMPS HP2 Medium 20K:	X			
AMPS HP2 Medium 30K:		X		
AMPS HP2 Large 40K:			X	
AMPS HP2 Large 75K:				X

*Common Neutral
 ** Factory Installed Option Only
 ***For separate bypass and inverter feed version the inverter feed current is measured. For single feed version only the output current is measured).

Power Metering interface



XMBS 100A



XMBS 250A



Alpha Technologies Services, Inc. USA: 3767 Alpha Way, Bellingham, WA 98226 Canada: 7700 Riverfront Gate, Burnaby, BC V5J 5M4
 Toll Free North America: +1 800 322 5742 Outside US: +1 360 647 2360 Technical Support: +1 800 863 3364
 For more information visit www.alpha.com

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