

Max ECO
SOLAR
INVERTER

EM-3024 MX-ECO
EM-5048 MX-ECO



Power Factor 1



Max PV Array
3000 W / 5000 W



MPPT Range
60~400 VDC / 120~450 VDC



Solar Charge
Current 100 A



Lithium
Compatible

Yes



Wifi

Optional



Detachable
Screen

No

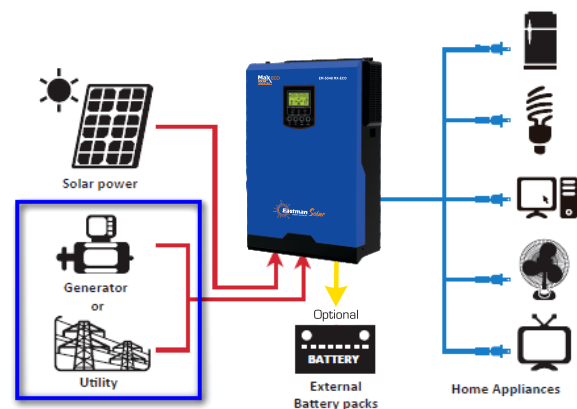


Parallel
Function

No

Special Features :

- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend life cycle
- Built-in anti-dust kit





SOLAR INVERTER

MODEL	EM 3024 MX-ECO	EM 5048 MX-ECO
Rated Power	3000VA / 3000W	5000VA / 5000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt.)	230VAC ± 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	32 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit	450 VDC	500 VDC
Maximum PV Array Power	3000 W	5000 W
MPPT Range @ Operating Voltage	60~400 VDC	120~450 VDC
Maximum Solar Charge Current	100 A	100 A
Maximum AC Charge Current	80 A	100 A
Maximum Charge Current	100 A	100 A
PHYSICAL		
Dimension D x W x H (mm)	110 x 288 x 390	120 x 300 x 440
Net Weight (kgs)	7.5	10
Communication Interface	RS232/RS485, optional WiFi	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specification are subject to change without prior notice.