



**Max** **ECO**  
SOLAR  
INVERTER


EM-1212 MX-ECO  
EM-2524 MX-ECO  
EM-3024 MX-ECO  
EM-5048 MX-ECO

 Output Power Factor 1

 Maximum Solar Charge Current 100 A

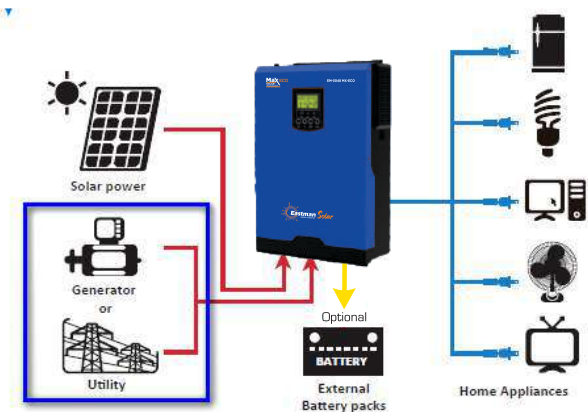
 **Lithium Battery Compatible**  
(Except EM-1212 MX-ECO)

 Maximum PV Array Open Circuit Voltage  
350/450/500 VDC

 Maximum PV Array Power  
2000/3000/5000W

**Special Features**

- Pure sine wave solar inverter
- Reserved communication port for BMS (Except EM-1212 MAX ECO)
- Wide PV input range
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit





# Max Eco Solar Inverter Specification

MODEL	EM 1212 MX-ECO	EM 2524 MX-ECO	EM 3024 MX-ECO	EM 5048 MX-ECO
Rated Power	1200VA/1200W	2500VA/2500W	3000VA/3000W	5000VA/5000W
<b>INPUT</b>				
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)			
BMS Port/Lithium Compatible	No	Yes		
<b>OUTPUT</b>				
AC Voltage Regulation(Batt. Mode)	230VAC ± 5%			
Surge Power	2400VA	5000VA	6000VA	10000VA
Efficiency (Peak)	93%			
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
<b>BATTERY</b>				
Battery Voltage	12 VDC	24 VDC	48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	
Overcharge Protection	16 VDC	32 VDC	63 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	500 VDC	
Maximum PV Array Power	2000W	3000W	5000W	
MPP Range @ Operating Voltage	60 ~ 300 VDC	60 ~ 400 VDC	120-450VDC	
Maximum Solar Charge Current	100 A			100A
Maximum AC Charge Current	80A			100A
Maximum Charge Current	100A			100A
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	90 x 288 x 357		110 x 288 x 390	120 x 300 x 440
Net Weight (kgs)	6.5	7.1	7.5	10
Communication Interface	RS232/RS485, optional WiFi			
<b>ENVIRONMENT</b>				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			

Product specifications are subject to change without further notice.