



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
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)			
BMS Port/Lithium Compatible	No	Yes		
OUTPUT				
AC Voltage Regulation(Batt. Mode)	230VAC \pm 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			
BATTERY				
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	
SOLAR CHARGER & AC CHARGER				
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
PHYSICAL				
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			
ENVIRONMENT				
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.