tuncmatik

Solarix MP Series
1/2/3/5 kW
SOLAR INVERTER

Pure sinewave output
Full compatibility with all kinds of electrical devices, the ideal solution for your critical applications.

Wide input voltage range (90-280 VAC)
The ability to work online in electrical household appliancesat voltages between 90-280VAC, in computer applications at voltages between 170-280VAC without switching to the battery.

Intelligent charging technology for optimal battery performance
Since Solarix solar inverters charge the battery with a 3-step battery charging algorithm, they extend the battery life, reduce your operating costs, and provide savings.

High performance microprocessor
Thanks to the digital structure and high speed of the CPU-controlled control board is provides full protection by performing the protection functions of the Solar Inverter such as overload, short circuit, low-high voltage and over-temperature in a timely manner, thus ensuring that the Solar Inverter has a stable and reliable structure.

RS-232 & USB communication port
To allow for unattended Solar Inverter to shutdown/start-up and status monitoring, connect the communication cable one end to the USB/RS-232 port and the other to the communication port of your PC. With the monitoring software installed, you can schedule Solar Inverter shutdown/start-up and monitor Solar Inverter status through.

MPPT
Solarix MP Series 1/2/3 kVA solar inverters have built-in 40A MPPT charger, 3/5 kVA solar inverters have built-in 60A MPPT charger.

Configure AC/Solar Charger priority
Configurable AC/Solar Charger priority via LCD setting

Configurable battery charging current
Configurable battery charging current based on applications via LCD setting

Generator Function
Capability to generator power.

CE

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Product Overview (1-2MP40)

1. LCD Display

2. Charging indicator
3. Status indicator
4. Function keys
5. Power on/off switch
6. Fault indicator

USB Communication Port

RS-232 Communication Port

AC Output

AC Input

Fuse

Battery Input

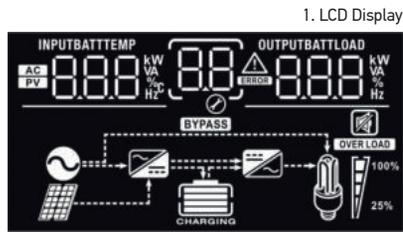Fans

Solar Panel Input

MPPT
40A
MPPT

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Product Overview (3MP40)

1. LCD Display

2. Charging indicator
3. Status indicator
4. Fault indicator
5. Function keys

USB Communication Port

RS-232 Communication Port

Power On/Off Switch

AC Input

Circuit breaker

AC Output

Battery Input

Fans

Solar Panel Input

MPPT 40A MPPT
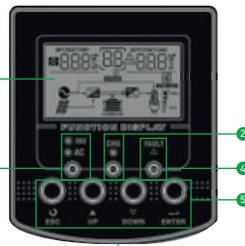
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Product Overview (3-5MP60)

1. LCD Display

2. Charging indicator
3. Status indicator
4. Fault indicator
5. Function keys

RS-232 Communication Port

USB Communication Port

Power On/Off Switch

AC Input

Circuit breaker

AC Output

Battery Input

Fans

Solar Panel

MPPT 60A

SOLAR INVERTER

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1/2/3/5 kW
SOLAR INVERTER

MODEL	Solarix – 1 MP 40	Solarix – 2 MP 40	Solarix – 3 MP 40	Solarix – 3 MP 60	Solarix – 5 MP 60
Capacity(VA/W)	1000VA/1000W	2000VA/2000W	3000VA/3000W		5000VA/5000W
INPUT (Line Mode)					
Nominal Voltage	230VAC				
Voltage Range	170-280Vac±7V (UPS) / 90-280Vac±7V (Appliances)				
Return Voltage Range	180-270Vac±7V (UPS) / 100-270Vac±7V (Appliances)				
Max AC Voltage	300Vac				
Nominal Frequency	50Hz / 60Hz (Auto detection)				
Frequency Range	40±1Hz – 65±1Hz				
Frequency Return Range	42±1Hz – 63±1Hz				
Voltage Waveform	Sinusoidal (utility or generator)				
INPUT (Inv Mode)					
Nominal DC Input Voltage	12Vdc	24Vdc			48Vdc
Cold Start Voltage	11.5Vdc	23.0Vdc			46.0Vdc
Low DC Cut-off Voltage @ load < 50%	10.7Vdc	21.5Vdc			43.0Vdc
Low DC Cut-off Voltage @ load ≥ 50%	10.5Vdc	21.0Vdc			42.0Vdc
High DC Cut-off Voltage	16Vdc	31Vdc	33Vdc		63Vdc
No Load Power Consumption	<25W				<55W
BATTERY					
Charging Algorithm	3 Step				
AC Charging Current (Max)	20A		25A	60A	
Floating Charging Voltage	13.5Vdc	27Vdc			54Vdc
OUTPUT					
Voltage Regulation	230Vac±5%				
Frequency	50Hz				
Overload Protection (Inv Mode)	5s@≥150% load; 10s@105%~150% load				
Efficiency (Inv Mode)	Up to 93%				
Efficiency (Line Mode)	>95% (Rated R load, battery full charged)				
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)				
Surge Capacity	2 x rated power for 5 seconds				
Short Circuit Protection	Circuit Breaker				
SYSTEM FEATURES					
Communication	USB/RS232				
MPPT SOLAR CHARGE					
Max. PV Array Open Circuit Voltage	102Vdc			145Vdc	
Max PV Panel Power	500W	1000W	1000W	1500W	3000W
PV Array MPPT Voltage Range	15~80Vdc	30~80Vdc		30~115Vdc	60~115Vdc
Charging Current	40A			60A	
Max Charging Current (AC charger plus solar charger)	60A			120A	
ENVOROMENTAL					
Operating Temperature Range	-10°C to 50°C				
Storage temperature	-15°C~ 60°C				
Humidity	5% to 95% Relative Humidity (Non-condensing)				
DIMENSIONS & WEIGHT					
W x D x H (mm)	225 x 88 x 320		285 x 100 x 334	300 x 100 x 440	
Weight (kg)	4.4	5	6.5	9.5	9.7
STANDARDS					
Safety Certification	CE				