

## **MAX E Off-Grid Inverter**

- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Parallel operation with 6 units
- Dual outputs selected as either programmable output or generator input

## MAX E Off-Grid Inverter Specification



Parallel CapabilityYES, 6 unitsNPUTVoltage230 VACSelectable Voltage Range230 VAC (For Computers) 90-280 VAC (For Com	MODEL	MAX E-11000	
NPUT         230 VAC           Voltage         230 VAC           Selectable Voltage Range         30.280 VAC (For Computers) 90.280 VAC (For Home Appliances)           Selectable Voltage Ragulation (Batt. Mode)         50 Hz/60 Hz (Auto sensing)           OUTPUT         2200VAC ± 5%           Surge Power         2200VAC ± 5%           Surge Power         2200VA           Efficiency (Peak)         93%           Transfer Time         10 ms (For Personal Computers). 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	Rated Power	11000VA/11000W	
Voltage         230 VAC           Selectable Voltage Range         90/280 VAC (For Computers)           Selectable Voltage Range         50 H2/60 H2 (Auto sensing)           OUTPU         50 H2/60 H2 (Auto sensing)           OUTPU         230 VAC 1 5%           Surge Power         230 VAC 2 5%           Efficiency (Peak)         93%           Transfer Time         10 ms (For Personal Computers).20 ms (For Home Appliances)           Waveform         93%           No. Load Power Consumption         <70W	Parallel Capability	YES, 6 units	
170-280 WAC (For Computing) 90-280 VAC (For Computing) 90-280 VAC (For Computing) 90-280 VAC (For Home Appliances)           Frequency Range         50 H2R0 VAC (For Home Appliances)           OUTPUT         700-280 VAC (For Home Appliances)           AC Voltage Regulation (Batt. Mode)         230 VAC ± 5%           Stige Power         22000VA           Efficiency (Peak)         93%           Transfer Time         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	INPUT		
Statutus         00.280 VAC (For Home Appliances)           Frequency Range         50 H2/60 H2 (Also Brack)           OUTPUT         230VAC ± 5%           Surge Power         22000VA           Efficiency (Peak)         93%           Transfer Time         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         0 ms (For Personal Computers), 20 ms (For Home Appliances)           No Load Power Consumption         <70W	Voltage	230 VAC	
OUTPUT         AC Voltage Regulation (Batt. Mode)         230VAC ± 5%           Surge Power         2200VAC ± 5%           Surge Power         2000VAC           Efficiency (Peak)         33%           Transfer Time         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	Selectable Voltage Range	170-280 VAC (For Computers) 90-280 VAC (For Home Appliances)	
AC Voltage Regulation (Batt. Mode)         230VAC ± 5%           Surge Power         22000VA           Efficiency (Peak)         33%           Transfer Time         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	Frequency Range	50 Hz/60 Hz (Auto sensing)	
Surge Power         22000VA           Efficiency (Peak)         93%           Transfer Time         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	OUTPUT		
Efficiency (Peak)         93%           Transfer Time         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Institution         10 ms (For Personal Computers), 20 ms (For Home Appliances)           Waveform         Pure sine wave           No Load Power Consumption         <70W	Surge Power	22000VA	
Waveform         Pure sine wave           No Load Power Consumption         <70W	Efficiency (Peak)	93%	
No Load Power Consumption         <70W	Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)	
Dual Outputs         Yes           BATTERY            Battery Voltage         48 VDC           Floating Charge Voltage         54 VDC           Overcharge Protection         63 VDC           SOLAR CHARGER & AC CHARGER            Solar Charge Type         MPPT           Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum AC Charge Current         150A           Maximum AC Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           PHYSICAL         UUSB/RS232/RS485/WiF/Dry-contact           Operating Iterface         UUSB/RS232/RS485/WiF/Dry-contact           OPERATING ENVIRONMENT         USB/RS232/RS485/WiF/Dry-contact           Operating Temperature         -10°C to 50°C           Storage Temperature         -10°C to 50°C           Storage Temperature         -15°C to 60°C <td>Waveform</td> <td>Pure sine wave</td>	Waveform	Pure sine wave	
BATTERY           Battery Voltage         48 VDC           Battery Voltage         54 VDC           Floating Charge Voltage         54 VDC           Overcharge Protection         63 VDC           SOLAR CHARGER & AC CHARGER         500           Solar Charge Type         MPPT           Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum AC Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           Dimension, D x W x H (mm)         147.4 x 432.5 x 553.6           Net Weight (kgs)         18.4           Communication Interface         USB/RS232/RS485WIFI/Dry-contact           OPERATING ENVIRONMENT         140° KS% D 95% Relative Humidity(Non-condensing)           Operating Temperature         -10° C to 50° C           Storage Temperature         -15° C to 60° C	No Load Power Consumption	<70W	
Battery Voltage         48 VDC           Floating Charge Voltage         54 VDC           Overcharge Protection         63 VDC           Solar CHARGER & AC CHARGER         0           Solar Charge Type         MPPT           Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum Solar Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           Maximum Charge Current         150A           Maximum Charge Current         150A           Maximum Charge Current         150A           PHYSICAL         USB/JRS232/JRS485/WiFi//Dry-contact           Operating Temperature         USB/JRS232/JRS485/WiFi//Dry-contact           OPERATING ENVIRONMENT         S% to 95% Relative Humidity(Non-condensing)           Operating Temperature         -10°C to 50°C           Storage Temperature         -10°C to 60°C           StANDARD         -10°C to 60°C	Dual Outputs	Yes	
Floating Charge Voltage       54 VDC         Overcharge Protection       63 VDC         Solar CHARGER & AC CHARGER       MPPT         Solar Charge Type       MPPT         Maximum PV Array Power       11000W         MPPT Range @ Operating Voltage       90 ~ 450 VDC         Maximum PV Array Open Circuit Voltage       500 VDC         Maximum Solar Charge Current       150A         Maximum AC Charge Current       150A         Maximum Charge Current       150A         PHYSICAL       USB/RS232/RS485/WiFi/Dry-contact         OPERATING ENVIRONMENT       147.4 x 432.5 x 553.6         Humidity       5% to 95% Relative Humidity(Non-condensing)         Operating Temperature       -10°C to 50°C         Storage Temperature       -15°C to 60°C         Storage Temperature       -15°C to 60°C	BATTERY		
Overcharge Protection         63 VDC           SOLAR CHARGER & AC CHARGER           Solar Charger Type         MPPT           Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum AC Charge Current         150A           Maximum Ac Charge Current         150A           Maximum Charge Current         150A           Dimension, D x W x H (mm)         147.4 x 432.5 x 553.6           Net Weight (kgs)         0         18.4           Communication Interface         USB/RS232/RS485/WiFi/Dry-contact	Battery Voltage	48 VDC	
SOLAR CHARGER & AC CHARGER           Solar Charger Type         MPPT           Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum AC Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           Dimension, D x W x H (mm)         147.4 x 432.5 x 553.6           Net Weight (kgs)         USB/RS232/RS485/WiFi/Dry-contact           OPERATING ENVIRONMENT         10°C to 50°C	Floating Charge Voltage	54 VDC	
Solar Charger Type         MPPT           Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum Solar Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           PHYSICAL         Immediate Communication Interface           Communication Interface         USB/RS232/RS485/WiFi/Dry-contact           OPERATING ENVIRONMENT         Immediate Consol           Humidity         5% to 95% Relative Humidity(Non-condensing)           Operating Temperature         -10°C to 50°C           Storage Temperature         -15°C to 60°C	Overcharge Protection	63 VDC	
Maximum PV Array Power         11000W           MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maximum Solar Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           PHYSICAL         150A           Dimension, D x W x H (mm)         147.4 x 432.5 x 553.6           Net Weight (kgs)         18.4           Communication Interface         USB/RS232/RS485/WiFi/Dry-contact           OPERATING ENVIRONMENT         5% to 95% Relative Humidity(Non-condensing)           Humidity         5% to 95% Relative Humidity(Non-condensing)           Operating Temperature         -10°C to 50°C           Storage Temperature         -15°C to 60°C	SOLAR CHARGER & AC CHARGER		
MPPT Range @ Operating Voltage         90 ~ 450 VDC           Maximum PV Array Open Circuit Voltage         500 VDC           Maxmum Solar Charge Current         150A           Maximum AC Charge Current         150A           Maximum Charge Current         150A           PHYSICAL         150A           Dimension, D x W x H (mm)         147.4 x 432.5 x 553.6           Net Weight (kgs)         0           Communication Interface         USB/RS232/RS485/WiFi/Dry-contact           OPERATING ENVIRONMENT         5% to 95% Relative Humidity(Non-condensing)           Operating Temperature         -10°°C to 50°C           Storage Temperature         -15°°C to 60°C	Solar Charger Type	МРРТ	
Maximum PV Array Open Circuit Voltage500 VDCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150AMaximum Charge Current150AMaximum Charge Current150APHYSICAL150ADimension, D x W x H (mm)147.4 x 432.5 x 553.6Net Weight (kgs)18.4Communication InterfaceUSB/RS232/RS485/WiFi/Dry-contactOPERATING ENVIRONMENT5% to 95% Relative Humidity(Non-condensing)Operating Temperature-10°C to 50°CStorage Temperature-15°C to 60°CSTANDARD-15°C to 60°C	Maximum PV Array Power	11000W	
Maxmum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150AMaximum Charge Current150APHYSICAL150ADimension, D x W x H (mm)147.4 x 432.5 x 553.6Net Weight (kgs)18.4Communication InterfaceUSB/RS232/RS485/WiFi/Dry-contactOPERATING ENVIRONMENT10°C to 50°CHumidity5% to 95% Relative Humidity(Non-condensing)Operating Temperature-10°C to 50°CStorage Temperature-15°C to 60°CSTANDARD	MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum AC Charge Current150AMaximum Charge Current150APHYSICAL150ADimension, D x W x H (mm)147.4 x 432.5 x 553.6Net Weight (kgs)18.4Communication InterfaceUSB/RS232/RS485/WiFi/Dry-contactOPERATING ENVIRONMENTHumidity5% to 95% Relative Humidity(Non-condensing)Operating Temperature-10°C to 50°CStorage Temperature-15°C to 60°C	Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Charge Current       150A         PHYSICAL       150A         Dimension, D x W x H (mm)       147.4 x 432.5 x 553.6         Net Weight (kgs)       18.4         Communication Interface       USB/RS232/RS485/WiFi/Dry-contact         OPERATING ENVIRONMENT       5% to 95% Relative Humidity(Non-condensing)         Operating Temperature       -10°C to 50°C         Storage Temperature       -15°C to 60°C	Maxmum Solar Charge Current	150A	
PHYSICAL         Dimension, D x W x H (mm)         147.4 x 432.5 x 553.6         Net Weight (kgs)         18.4         Communication Interface         USB/RS232/RS485/WiFi/Dry-contact         OPERATING ENVIRONMENT         Humidity       5% to 95% Relative Humidity(Non-condensing)         Operating Temperature       -10°C to 50°C         Storage Temperature       -15°C to 60°C	Maximum AC Charge Current	150A	
Dimension, D x W x H (mm)       147.4 x 432.5 x 553.6         Net Weight (kgs)       18.4         Communication Interface       USB/RS232/RS485/WiFi/Dry-contact         OPERATING ENVIRONMENT       5% to 95% Relative Humidity(Non-condensing)         Operating Temperature       5% to 95% Relative Humidity(Non-condensing)         Storage Temperature       -10°C to 50°C         Storage Temperature       -15°C to 60°C	Maximum Charge Current	150A	
Net Weight (kgs)     18.4       Communication Interface     USB/RS232/RS485/WiFi/Dry-contact       OPERATING ENVIRONMENT     5% to 95% Relative Humidity(Non-condensing)       Operating Temperature     -10°C to 50°C       Storage Temperature     -15°C to 60°C	PHYSICAL		
Communication Interface     USB/RS232/RS485/WiFi/Dry-contact       OPERATING ENVIRONMENT       Humidity     5% to 95% Relative Humidity(Non-condensing)       Operating Temperature     -10°C to 50°C       Storage Temperature     -15°C to 60°C	Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6	
OPERATING ENVIRONMENT           Humidity         5% to 95% Relative Humidity(Non-condensing)           Operating Temperature         -10°C to 50°C           Storage Temperature         -15°C to 60°C           STANDARD         -10°C to 50°C	Net Weight (kgs)	18.4	
Humidity     5% to 95% Relative Humidity(Non-condensing)       Operating Temperature     -10°C to 50°C       Storage Temperature     -15°C to 60°C	Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
Operating Temperature     -10°C to 50°C       Storage Temperature     -15°C to 60°C			
Storage Temperature -15°C to 60°C STANDARD	Humidity	5% to 95% Relative Humidity(Non-condensing)	
STANDARD	Operating Temperature	-10°C to 50°C	
	Storage Temperature	-15°C to 60°C	
Compliance Safety CE	STANDARD		
	Compliance Safety	CE	

Product specifications are subject to change without further notice.

