HYBRID INVERTER

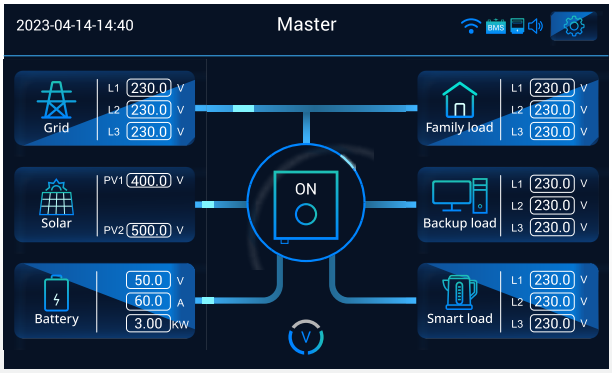
InfniSolar WP TWIN HMI

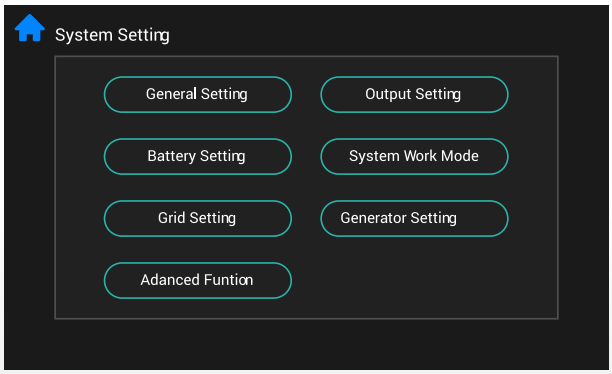
MOTOMA®
Power into the Future

- IP66 certified enclosure
- User-friendly HMI LCD design for easy configuration
- Built-in WiFi for mobile monitoring (App is available)
- Reserved communication port for BMS (RS485)
- 150% unbalanced load support
- 26A maximum PV input current
- Dual outputs for smart load management
- User-adjustable charging current
- Parallel operation up to 6 units

User-friendly HMI LCD simplify the initial setup

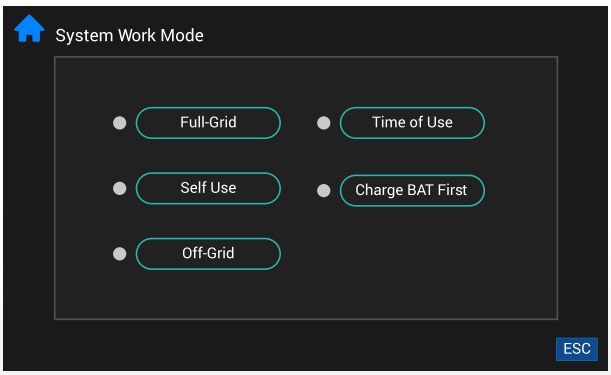
Important information presented on main screen and parameter settings are grouped by function





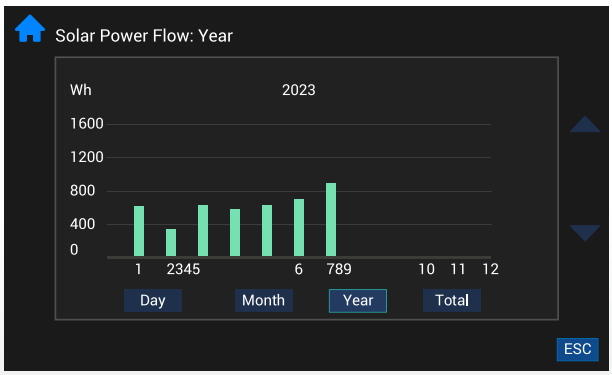
Password protected calibration menu for easy maintenance.

Five preset scenarios to simplify setup



Set the priority to power the load, AC charging time, and feed in to the grid based on selected operation mode.

Statistcal graphs for Grid Power, Solar Power, Family Power and Backup Power



Visualize daily, monthly, annual and total power generation.

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InfiniSolar WP TWIN HMI Three Phase Hybrid Inverter Selection Guide

MODEL	InfiniSolar WP TWIN HMI 15kw
Maximum PV Input Power	22500 W
Rated Output Power	15000 W
Maximum Charging Power	15000 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 2
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC per phase
Nominal Output Current	21.7 A per phase
Power Factor Range	0.9 lag ~ 0.9 lead
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	> 96%
European Efficiency@ Vnominal	> 95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	170 - 290 VAC per phase
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Power	22500 W
Maximum DC Voltage	1000 VDC
MPP Voltage Range	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 2
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure sinewave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 26A, B: 26A
Number of Strings Per MPP Tracker	A: 2, B: 2
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC per phase
Nominal Output Current	21.7 A Per phase
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	170 - 290 VAC per phase
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Battery Voltage Range	40 ~ 62 VDC
Maximum Charging Current	300 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	255 x 660 x 750
Net Weight (kgs)	78
INTERACE	
Communication Port	RS-232, RS-485, USB, CAN and Wi-Fi
Intelligent Slot	Intelligent Slot Optional for SNMP and Modbus cards
ENVIRONMENT	
Humidity	0 ~ 100% RH (Non-condensing)
Operating Temperature	-25 to 60°C, >45°C power derating
Altitude	0 ~ 1000 m**
PROTECTION & CERTIFICATE	
Safety	IEC 62109, IEC 62116, IEC 61727, IEC 61683
Grid Connection Standard	NRS097-2-1:2017, VDE-AR-N4105, G99

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements.
** Power derating 1% every 100m when altitude is over 1000m. Product specifications are subject to change without further notice.

CE RoHS COMPLIANT

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