

InfiniSolar TX-PA



- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- True galvanic isolation transformer design
- User-adjustable charging current
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real-time status display and control
- Parallel operation up to 4 units

InfiniSolar TX-PA 3 Phase Transformer Type Hybrid Inverter Specification

MODEL		InfiniSolar TX-PA 30KW
MAXIMUM PV INPUT POWER		45KW
RATED OUTPUT POWER		30KW
MAXIMUM CHARGING POWER		30KW
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 950 VDC
Start-up Voltage / Initial Feeding Voltage		500 VDC / 550 VDC
MPP Voltage Range		460 VDC ~ 900 VDC
Full power MPP Voltage Range		625 VDC ~ 900 VDC
Number of MPP Trackers / Maximum Input Current		1 / 72A
GRID OUTPUT (AC)		
Nominal Output Voltage		230 VAC* (P-N) / 400 VAC (P-P)
Output Voltage Range		195.5 - 253 VAC per phase
Output Frequency Range		49 ~ 51 Hz or 59.3 ~ 60.5 Hz
Nominal Output Current		43.5 A per phase
Power Factor		1
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)		95%
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/Auto Restart Voltage		150 - 170 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range		170 - 280 VAC per phase
Maximum AC Input Current		43.5 A per phase
PV INPUT (DC)		
Maximum DC Power / Maximum DC Voltage		45KW / 950 VDC
MPP Voltage Range		460 VDC ~ 900 VDC
Number of MPP Trackers / Maximum Input Current		1 / 72 A
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)		
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 950 VDC
Start-up Voltage / Initial Feeding Voltage		500 VDC / 550 VDC
MPP Voltage Range		460 VDC ~ 900 VDC
Number of MPP Trackers / Maximum Input Current		1 / 72 A
GRID OUTPUT (AC)		
Nominal Output Voltage		230 VAC* (P-N) / 400 VAC (P-P)
Output Voltage Range		195.5 - 253 VAC per phase
Output Frequency Range		49 ~ 51 Hz or 59.3 ~ 60.5 Hz
Nominal Output Current		43.5 A per phase
Power Factor		1
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage		150 - 170 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range		170 - 280 VAC per phase
Maximum AC Input Current		43.5 A per phase
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)		>91%
BATTERY & CHARGER		
Nominal Battery Voltage/Charging Voltage Range		384 VDC / 384 VDC ~ 480 VDC
Maximum Charging Current		80A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)		430 x 715 x 1021
Net Weight (kgs)		223
INTERFACE		
Communication Port		RS-232/USB
Intelligent Slot		Optional SNMP, GPRS, WIFI, Modbus cards available
ENVIRONMENT		
Humidity		0 ~ 90% RH (Non-Condensing)
Operating Temperature		-10 to 55°C
Altitude		0 ~ 1000 m**

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements.

** Power derating 1% every 100 m when altitude is over 1000m

Product specifications are subject to change without further notice.