

InfiniSolar TX 3P/3P



InfiniSolar TX 10KW/20KW InfiniSolar TX 6KW

- 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

ON-GRID INVERTER WITH ENERGY STORAGE

InfiniSolar TX 3 Phase Transformer Type Hybrid Inverter Selection Guide

MODEL	InfiniSolar TX 6KW	InfiniSolar TX 10KW	InfiniSolar TX 20KW
MAXIMUM PV INPUT POWER	9KW	15KW	30KW
RATED OUTPUT POWER	6KW	10KW	20KW
MAXIMUM CHARGING POWER	6KW	10KW	20KW
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	500 VDC / 750 VDC		720 VDC / 950 VDC
Start-up Voltage / Initial Feeding Voltage	220 VDC / 250 VDC		500 VDC / 550 VDC
MPP Voltage Range	250 VDC ~ 700 VDC		550 VDC ~ 900 VDC
Full power MPP Voltage Range	450 VDC ~ 700 VDC		625 VDC ~ 900 VDC
Number of MPP Trackers / Maximum Input Current	1 / 20A	1 / 33A	1 / 48A
GRID OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		
Output Voltage Range	184 - 265 VAC per phase		
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz		
Nominal Output Current	8.7 A per phase	14.3 A per phase	14.5 A per phase
Power Factor	> 0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	91%	91%	91%
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase		
Acceptable Input Voltage Range	170 - 280 VAC per phase		
Maximum AC Input Current	20 A per phase	30 A per phase	40 A per phase
PV INPUT (DC)			
Maximum DC Power / Maximum DC Voltage	9KW / 750 VDC	15KW / 750 VDC	30KW / 950 VDC
MPP Voltage Range	250 VDC ~ 700 VDC		550 VDC ~ 900 VDC
Number of MPP Trackers / Maximum Input Current	1 / 20 A	1 / 33 A	1 / 48 A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	230VAC* (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	500 VDC / 750 VDC		720 VDC / 950 VDC
Start-up Voltage / Initial Feeding Voltage	220 VDC / 250 VDC		500 VDC / 550 VDC
MPP Voltage Range	250 VDC ~ 700 VDC		550 VDC ~ 900 VDC
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Maximum AC Input Current	8.7 A per phase	14.3 A per phase	40 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 DC Voltage	192 VDC	192 VDC	384 VDC
Maximum Charging Current	32A	52A	50A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	815 x 300 x 830	559 x 320 x 909	559 x 320 x 909
Net Weight (kgs)	102	115	120
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.