

# InfiniSolar TX



- 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 only for 30KW

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	InfiniSolar TX 30KW
<b>MAXIMUM PV INPUT POWER</b>	9KW	15KW	30KW	45KW
<b>RATED OUTPUT POWER</b>	6KW	10KW	20KW	30KW
<b>MAXIMUM CHARGING POWER</b>	6KW	10KW	20KW	30KW
<b>GRID-TIE OPERATION</b>				
<b>PV INPUT (DC)</b>				
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		500 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	1 / 72A
<b>GRID OUTPUT (AC)</b>				
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	29.0 A per phase	43.5 A per phase
Power Factor	> 0.99			
<b>EFFICIENCY</b>				
Maximum Conversion Efficiency (DC/AC)	91%	91%	93%	95%
<b>OFF-GRID OPERATION</b>				
<b>AC INPUT</b>				
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	50 A per phase	65 A per phase
<b>PV INPUT (DC)</b>				
Maximum DC Voltage / Maximum DC Voltage	9KW / 750 VDC	15KW / 750 VDC	30KW / 950 VDC	45KW / 950 VDC
MPP Voltage Range	250 VDC ~ 700 VDC		500 VDC ~ 900 VDC	
Number of MPP Trackers / Maximum Input Current	1 / 20 A	1 / 33 A	1 / 48 A	1 / 72 A
<b>BATTERY MODE OUTPUT (AC)</b>				
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)			
Output Waveform	Pure Sinewave			
Efficiency (DC to AC)	>91%			
<b>HYBRID OPERATION</b>				
<b>PV INPUT (DC)</b>				
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		500 VDC ~ 900 VDC	
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Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)			
Efficiency (DC to AC)	>91%			
<b>BATTERY &amp; CHARGER</b>				
Nominal DC Voltage	192VDC	192 VDC	384 VDC	348 VDC ~ 384 VDC (adjustable)
Maximum Charging Current	30A	50A	50A	80A
<b>GENERAL</b>				
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	815 x 300 x 830	815 x 300 x 830	815 x 360 x 900	745 x 600 x 1140
Net Weight (kgs)	102	115	150	368
<b>INTERFACE</b>				
Communication Port	RS-232/USB			
Intelligent Slot	Optional SNMP, GRPS, WIFI, Modbus cards available			
<b>ENVIRONMENT</b>				
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.