

GLORY ASHGT3P InfiniSolar TX / 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, RS232-, Modbus and SNMP
- Monitoring software for real-time status display and control
- Parallel operation up to 4 units only for 30KW

GLORY ASHGT3P InfiniSolar TX/TX-PA 3 Phase Transformer Type Hybrid Grid-Tie Solar Inverter Specification

MODEL	GLORY ASHGT3P InfiniSolar TX 20000	GLORY ASHGT3P InfiniSolar TX-PA 30000
MAXIMUM PV INPUT POWER	30KW	45KW
RATED OUTPUT POWER	20KW	30KW
MAXIMUM CHARGING POWER	20KW	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	48 / 1A	72 / 1A
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC* (P-N) / 400 VAC (P-P)	
Output Voltage Range	253 - 195.5 VAC per phase	
Output Frequency Range	51 ~ 49 Hz or 60.5 ~ 59.3 Hz	
Nominal Output Current	29.0 A per phase	43.5 A per phase
Power Factor	> 0.99	1
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	%91	%95
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/Auto Restart Voltage	140 - 120 VAC per phase / 180 VAC per phase	170 - 150 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	280 - 170 VAC per phase	
Maximum AC Input Current	40 A per phase	43.5 A per phase
PV INPUT (DC)		
Maximum DC Power / Maximum DC Voltage	30KW / 950 VDC	45KW / 950 VDC
MPP Voltage Range	500 VDC ~ 900 VDC	
Number of MPP Trackers / Maximum Input Current	48 / 1 A	72 / 1 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	500 VDC ~ 900 VDC	460 VDC ~ 900 VDC
Number of MPP Trackers / Maximum Input Current	48 / 1 A	72 / 1 A
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC* (P-N) / 400 VAC (P-P)	
Output Voltage Range	265 - 184 VAC per phase	253 - 195.5 VAC per phase
Output Frequency Range	51.5 ~ 47.5 Hz or 60.5 ~ 59.3 Hz	51 ~ 49 Hz or 60.5 ~ 59.3 Hz
Nominal Output Current	29 A per phase	43.5 A per phase
Power Factor	> 0.99	1
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	140 - 120 VAC per phase / 180 VAC per phase	170 - 150 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	280 - 170 VAC per phase	
Maximum AC Input Current	40 A per phase	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 / 384 VDC ~ 480 VDC
Maximum Charging Current	50A	80A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	559 x 320 x 909	430 x 715 x 1021
Net Weight (kgs)	120	223
INTERFACE		
Communication Port	RS232-/USB	
Intelligent Slot	Optional SNMP, GPRS, WIFI, Modbus cards available	
ENVIRONMENT		
Humidity	%90 ~ 0 RH (Non-Condensing)	
Operating Temperature	10- to °55C	
Altitude	1000 ~ 0 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.