

X3  
3 PHASE

# X3

## THREE PHASE INVERTER

### UNRIVALLED QUALITY AND RELIABILITY



SolaX have developed a range of three phase inverters unrivalled in the industry for their quality, reliability and efficiency.

X3  
3 PHASE

The X3 three phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and at 98.2% have the highest maximum efficiency available on the market today.

In addition, all SolaX X3 inverters are IP65 rated, have an integrated DC switch, WiFi as standard and an 'OptiCool' temperature controlled fan.

#### Key features

- X MPPT efficiency up to 99.9%
- X Maximum efficiency up to 98.2%
- X Dual MPP tracker and wide MPPT voltage range for more flexibility
- X Multiple protections
- X Multi-lingual display
- X "Plug and play" connection for easy installation



ZDNY-TL10000  
ZDNY-TL12000  
ZDNY-TL15000  
ZDNY-TL17000  
ZDNY-TL20000

For more information

[www.solaxpower.com.au](http://www.solaxpower.com.au) / 1300 476 529

# TECHNICAL DATA

## X3 Three Phase



INVERTER MODEL	ZDNY-TL10000	ZDNY-TL12000	ZDNY-TL15000	ZDNY-TL17000	ZDNY-TL20000
<b>INPUT DC</b>					
Max. Recommended DC Power [W]	10260	12300	15370	17420	20500
Max Turn On DC voltage [V]	1000				
Max. Input Current [A]	A:22/B:11	A:22/B:11	A:22/B:22	A:22/B:22	A:22/B:22
MPPT Voltage Range [V]	320-800	380-800	350-800	400-800	400-800
Min. DC Voltage/Start Voltage [V]	220/250				
Number of MPP Trackers/ Strings per MPP Tracker	2/A:3 B:1	2/A:3 B:1	2/A:3 B:3	2/A:3 B:3	2/A:3 B:3
<b>OUTPUT AC</b>					
AC Nominal Power [W]	10000	12000	15000	17000	20000
Max. AC Power [W]	10000	12000	15000	17000	20000
Nominal AC Voltage; Range [V]	3/N/PE 230/400; 160-280				
AC Grid Frequency; Range [Hz]	50; 44-55				
Max. AC Current [A]	16	20	24	25	29
Power Factor (full load) – leading/lagging	0.9/0.9				
Total Harmonic Distortion (THD)	<3%				
<b>EFFICIENCY</b>					
MPPT Efficiency	99.9%				
Euro Efficiency	97.6%				
Max. Efficiency	98.2%				
<b>POWER CONSUMPTION</b>					
Input Standby Power [W]	<10				
Internal Consumption (Night) [W]	<1				
<b>SAFETY &amp; PROTECTION</b>					
DC Disconnect	Yes				
Internal Overvoltage Protection	Yes				
DC Current/Insulation Monitoring	Yes/Yes				
Grid Monitoring/Earth Fault Monitoring	Yes/Yes				
Islanding Protection	Yes				
RCD Protection	Yes				
Protection Class/Overvoltage Category	IEC62103 (1) / IEC60664-1 (3)				
<b>ENVIRONMENT LIMITS</b>					
Degree Of Protection	IP65 (IP54 for fan)				
Operating Temperature Range [°C]	-20~60 (derating at 45)				
Humidity [%]	0~95 (non-condensing)				
Altitude Limit [m]	2000				
Storage Temperature [°C]	-20~60				
Noise Emissions [dB]	<50				
<b>OTHER</b>					
Dimensions W x H x D [mm]	513 x 651.5 x 207				
Weight [kg]	48	48	50.5	50.5	51
Cooling Concept	'OptiCool' temperature controlled fan				
Topology	Transformerless				
Communication Interfaces	Ethernet/WiFi				
LCD Display	Backlit, 16 x 2 character				
Certification	AS4777.2/AS4777.3 IEC 62109				
Warranty	5 year				