

**MAXIMUM
EFFICIENCY,
MINIMUM
SPACE**

2.5TL / 3TL / 3.3TL / 3.68TL / 3.8TL / 4.6TL / 5TL / 6TL

A single phase inverter designed for use in the residential sector and for larger, decentralised projects.

Greater flexibility for PV system sizing

Compatible with the various PV module technologies available on the market.

Maximum efficiency

Advanced maximum power point tracking system (MPPT).

Robust design

Aluminium housing for indoor and outdoor installation. It withstands extreme temperatures.

Easy to install

Fast on connectors for the DC and AC sides, and RS-485 communications. No additional

items required. Manual grid disconnection feature.

Ease of maintenance

Internal datalogger for up to 3 months data storage, which can be controlled from either a remote PC or on-site from the inverter front key pad. LED status and alarm indicators and LCD screen. Useful life of more than 20 years.

Software included

Included at no extra cost are the INGECON® SUN Manager, INGECON® SUN Monitor and its iSun Monitor smartphone version for monitoring and recording the inverter data over the internet.

Standard 5 year warranty, extendable for up to 25 years

PROTECTIONS

- Reverse polarity.
- Input and output overvoltage
- Output short circuits and overloads.
- Insulation failures.
- Anti-islanding with automatic shutdown.

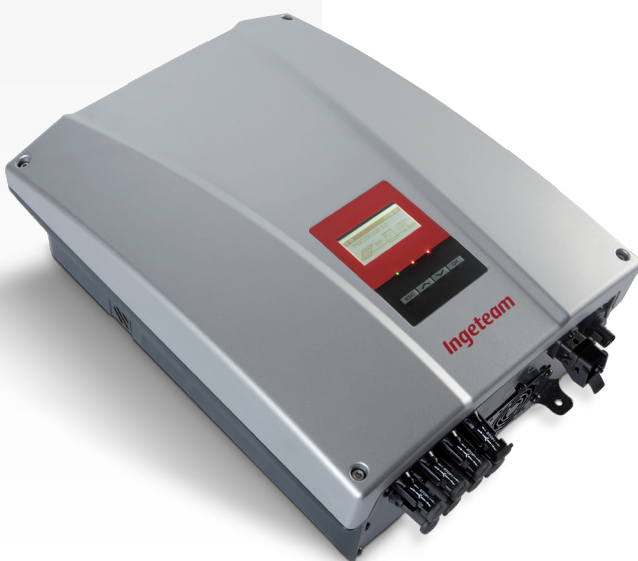
OPTIONAL ACCESSORIES

- DC breaker.
- Inter-inverter communication via Ethernet or Bluetooth.
- Modem for GSM / GPRS remote communication.
- Type 3 PV connectors (type 4 supplied as standard).
- Potential free contact for insulation fault indication (by default) or inverter connected to the grid (optional).

JUST FOR AUSTRALIA

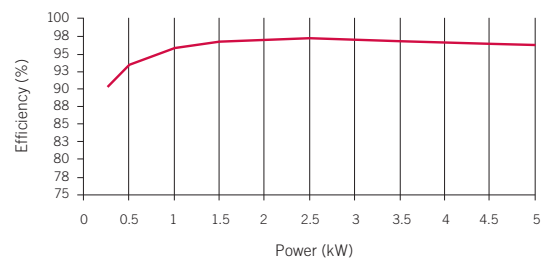
- This sticker certifies the compliance with Australian market's standards.

JUST FOR
AUSTRALIAN MARKET
AS4777.2 Std. AS4777.3 Std. AS3100 Std.



EFFICIENCY

Ingeteam® Sun 5TL
Vdc = 330 V

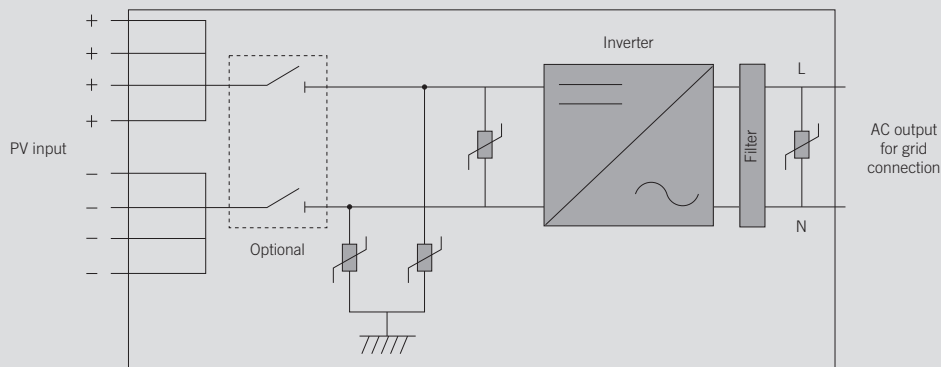


	2.5TL	3TL	3.3TL	3.68TL	3.8TL	4.6TL	5TL	6TL
Input (DC)								
Recommended PV array power range ⁽¹⁾	2.8 - 3.3 kWp	3.2 - 4 kWp	3.8 - 4.3 kWp	3.9 - 4.8 kWp	4.1 - 5 kWp	5.2 - 6 kWp	5.7 - 6.5 kWp	6.3 - 7 kWp
Voltage range MPP	160 - 450 V	195 - 450 V	155 - 450 V	175 - 450 V	140 - 450 V	145 - 450 V	160 - 450 V	190 - 450 V
Voltage range DC ⁽²⁾	125 - 550 V	125 - 550 V	125 - 550 V	125 - 550 V	125 - 550 V	125 - 550 V	125 - 550 V	125 - 550 V
Maximum current DC	17 A	17 A	22 A	22 A	33 A	33 A	33 A	33 A
DC inputs	3	3	3	3	4	4	4	4
MPPT	1	1	1	1	1	1	1	1
Output (AC)								
Rated power AC ⁽³⁾	2.7 kW	3 kW	3.63 kW	3.68 kW	3.9 kW	5 kW	5.5 kW	6 kW
Maximum current AC	13 A	13.5 A	17 A	17 A	18.8 A	24.2 A	25.5 A	26.2 A
Rated voltage AC	230 / 240 V	230 / 240 V	230 / 240 V	230 / 240 V	230 / 240 V	230 / 240 V	230 / 240 V	230 / 240 V
Frequency AC	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Phi Cosine	1	1	1	1	1	1	1	1
Phi Cosine adjustable	Yes. Smax=2.7 kVA	Yes. Smax=3 kVA	Yes. Smax=3.63 kVA	Yes. Smax=3.68 kVA	Yes. Smax=3.9 kVA	Yes. Smax=5 kVA	Yes. Smax=5.5 kVA	Yes. Smax=6 kVA
THD	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency								
Maximum efficiency	96.6%	96.6%	96.8%	96.8%	97%	97%	97%	97%
Euroefficiency	95%	95.1%	95.2%	95.2%	95.6%	96%	96.1%	96.1%
General Information								
Air cooling	0 m ³ /h	0 m ³ /h	45 m ³ /h	45 m ³ /h	90 m ³ /h	90 m ³ /h	90 m ³ /h	90 m ³ /h
Stand-by consumption ⁽⁴⁾	<10 W	<10 W	<10 W	<10 W	<10 W	<10 W	<10 W	<10 W
Consumption at night	0 W	0 W	0 W	0 W	0 W	0 W	0 W	0 W
Ambient temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Relative humidity (non-condensing)	0 - 95%	0 - 95%	0 - 95%	0 - 95%	0 - 95%	0 - 95%	0 - 95%	0 - 95%
Protection class	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65

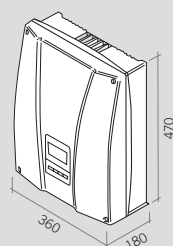
Notes: ⁽¹⁾ Depending on the type of installation and geographical location ⁽²⁾ Must not be exceeded under any circumstances. Consider the voltage increase of the 'Voc' at low temperatures ⁽³⁾ AC Power for 45°C ambient temperature. For each °C of increase, the output power will be reduced at the rate of 1.8% ⁽⁴⁾ Consumption from PV field.

Compliance with standards: CE, IEC61000-6-2, IEC61000-6-3, EN50178, RD1699/2011, P.O.12.3, VDE-AR-N-4105, VDE0126-1-1, CEI11-20, CEI0-21, G83/1-1, AS4777.2, AS4777.3, AS3100.

2.5TL



Size and weight (mm)



2.5TL / 3TL
18.3 kg.

3.3TL / 3.68TL
19.7 kg.

3.8TL / 4.6TL / 5TL / 6TL
23.3 kg.