

Ingecon[®] Sun Power Max

220 AC TRANSFORMERLESS 100 TL

Technical Data

Model	Ingecon [®] Sun 100 TL
Input (DC)	
Recommended PV array power range ⁽¹⁾	103 - 130 kWp
MPPT voltage range	405 - 750 V
Maximum DC voltage ⁽²⁾	900 V (1000 V optional)
Maximum DC current	286 A
DC inputs	4
MPPT	1
Output (AC)	
AC rated power HT mode ⁽³⁾	100 kW
AC rated power HP mode ⁽⁴⁾	110 kW
Maximum AC current	326 A
AC output voltage (between phases)	220 V IT
Output frequency	50 / 60 Hz
Power factor ⁽⁵⁾	1
Adjustable Power factor	± 0.9 at Pnom
THD (Total Harmonic Distortion) ⁽⁵⁾	< 3 %
Efficiency	
Maximum efficiency	98.4 %
European efficiency	97.5 %
General Information	
Stand-by consumption ⁽⁶⁾	30 W
Night consumption	1 W
Operating temperature	-20°C to 65°C
Ambient humidity	0 to 95 %
Protection class	IP 20
Compliance with standards	RD 661/2007, EN 50178, Regolamento VDEW BT, CEI 11-20, CEI 11-20 V1, CEI 0-16, CE mark

HT mode (High Temperature)
Rated power at 45°C.

HP mode (High Power)
Rated power at 40°C.

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 temperature.
- (3) Up to 45°C operating temperature, Pmax = 110% Pnom in transient operating conditions.
- (4) Up to 40°C operating temperature, Pmax = Pnom.
- (5) For Pout > 25% of the rated power.
- (6) Consumption from PV array.

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