Power Maxter

Ingecon®Sun Power Maxter

MASTER-SLAVE CONFIGURATION

HIGH PERFORMANCE

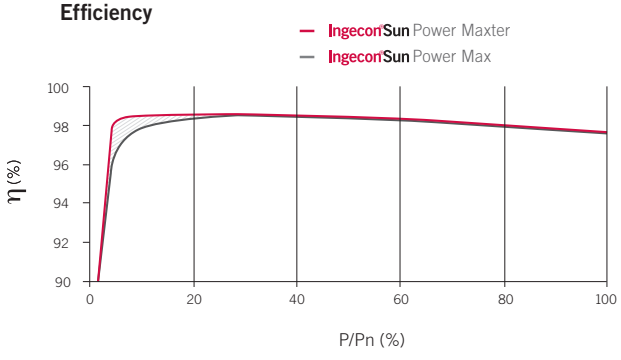
The perfect combination for improved performance and ease of plant maintenance

This innovative concept optimizes the **Ingecon®Sun Power Max** inverter performance and increases the availability of the PV field (up to 1.8 points higher efficiency at low power) at low irradiance periods, particularly at dawn and dusk. This design is available for inverters beginning at 500 kW.

The **Ingecon®Sun Power Maxter** balances out the work between the different power blocks obtaining the maximum efficiency and extending the useful life of the whole unit.

Ingecon®Sun Power Maxter is the perfect combination for improved performance and ease of plant maintenance. Should any of the power stages fail, the system distributes the power to the remaining stages so that almost all the inverter power is maintained.

Efficiency



Technical data

Model	Ingecon Sun Power Maxter 500HE TL	Ingecon Sun Power Maxter 625HE TL
Type	Self-switching with IGBTs	Self-switching with IGBTs
Operation	3 MPPT	1 MPPT
N° DC Inputs	3 inputs	3 inputs
MPPT voltage range	450 / 750 V	500 / 750 V
Maximum DC voltage	900 V (1.000 V optional)	900 V (1.000 V optional)
Maximum DC current	1.072 A	1.429 A
AC rated power HT mode	500 kW	625 kW
AC rated power HP mode	519 kW	630 kW
Maximum AC current	1.104 A	1.472 A
AC voltage output (between phases)	275 V IT System	275 V IT System
Output frequency	50 / 60 Hz	50 / 60 Hz
Maximum efficiency	98,5%	98,5%
European efficiency	98,2%	98,2%
Power factor	1	1
Operating temperature	-20°C to +65°C	-20°C to +65°C
Ambient humidity	0-95%	0-95%
Compliance with standards	RD 661/2007, EN 50178, Reglamento VDE BT, RTC alle rete BT di Enel, Distribuzione, CEI 11-20, CEI 11-20 V1, CEI 0-16, Marcado CE	

HT mode (high temperature) - Rated outputs at 45°C

HP mode (high power) - Rated outputs at 40°C

Ingeteam

Avda. Ciudad de la Innovación, 13 - 31621 SARRIGUREN, SPAIN - Tel.: +34 948 28 80 00 - solar.energy@ingeteam.com - www.ingeteam.com