



# Soleil DSPX

The three-phase Soleil DSPX range offers the highest yield in the industry through the use of updated components and advanced design and production technologies, now enriched of the new Master&Slave feature and certified by third party.

The product line is diversified in three different segments:

## Soleil DSPX TRL/TRH

From 10kW up to 250kW equipped with built-in transformer.

- 3 phases
- Harmonic distortion THDI <3%
- Suitable for indoor or outdoor (on request)
- Equipped with monitoring grounding kit

## Soleil DSPX TLH – 280

From 90kW to 660kW without transformer to maximize efficiency and reduce footprint

## Soleil DSPX TLH – 380

Up to 833kW without transformer to maximize efficiency and reduce footprint



- Max efficiency up to 97,2% with transformer
- Max efficiency up to 99,22% (certified) transformerless
- Euro efficiency up to 98,77%
- Efficiency certified by independent Laboratory



# Technical Data

Model	110	250	330	416	500	660	833
<b>INPUT PARAMETERS</b>							
Max power PV modules (kWp)	136	304	400	503	672	800	1006
Number of power cores	1	1	1	1	2	2	2
Min/max MPPT voltage (V)	460-930		460(560)-930	560-930	460(560)-930		560-930
-10 ° C Max input voltage (Voc)	1000			1000		1000	
Master & Slave	Not applicable					Yes	
No. DC inputs	8	8	8	12	12	24	24

<b>OUTPUT PARAMETERS</b>							
Nominal Power (kVA) 50 °C	110	250	330	416	500	660	833
Nominal voltage (V)	280 or 400		280 or 380	380	280 or 380		380
Max efficiency (%)	up to 98,1		98,5	99,02	99,17	99,19	99,22
Euro efficiency (%)	96,73	97,3	98,1	98,35	98,73	98,76	98,77
Static MPPT efficiency (%)	99,8		99,8		99,8		
Dinamic MPPT efficiency (%)	98,78		98,78		98,78		
Power factor	0.9 ... 1.0 Leading - Lagging						

<b>GENERAL FEATURES</b>							
Operative temperature (°C)	-20/ +51 ( without derating)						
Operating humidity range (%)	5 / 95 without condensation						
Overvoltage class DC	Class II						
Overvoltage class AC	Class III						
Dimensions (WxDxH) mm	1100x800x1950		1500 x1000 x 2000				
Standards	CE - LVD -2004/108/EC - 2006/95/EC - EN62109-1/2 - EMC - EN61000-6-2/6-3/6-4 - Regio Decreto Espana - CEI 0-16 Allegato A70 di Terna - AEEG 243/2013 - G59 Issue 2 – Rules grid Romanian 30/2013 – 74/2013 Norma Tecnica de Seguridad De calidad de Servicio (NTSCS-Chile) – BDEW- AS4777 - Código redes fotovoltaico ASEP - DEWA others on request						

\*In the interests of product improvement SIEL reserves the right to change specifications without notice