



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
INPUT PARAMETERS							
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

OUTPUT PARAMETERS							
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						

GENERAL FEATURES							
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