



## Inverter Soleil SPX series

High efficiency, reliability, ease of installation and use are the qualities that have positioned the new range of SIEL inverters among the most innovative products in the photovoltaic industry.

Soleil SPX series is distinguished thanks to the multilevel and transformerless technology. Wider Voltage range on both DC and AC side for big PV plants and industrial installation.

### FEATURES:

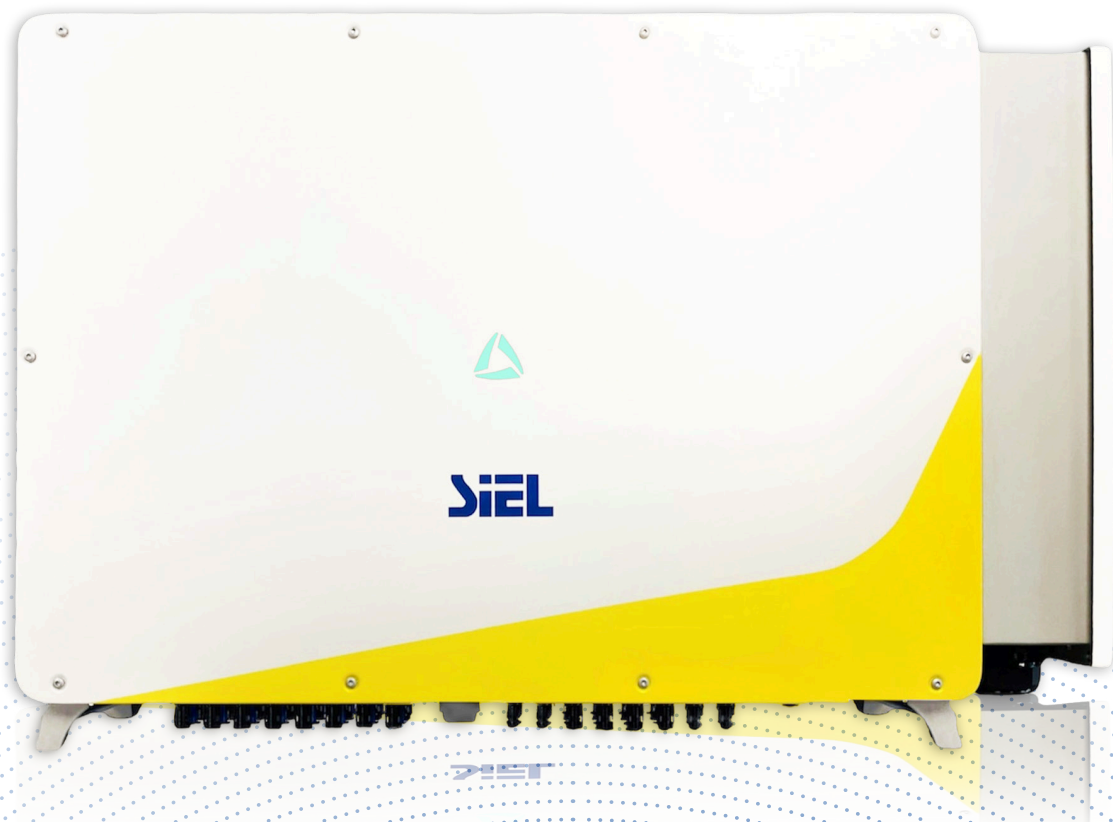
- Built-in Wifi
- High performance multilevel technology
- Compliant to many grid codes
- New design
- High current input MPPT
- Connectable by PPC or CCI

### ADVANTAGES:

- Plug and play
- Easy transportation and installation
- 1500 Vdc design
- Max efficiency up to 99%,
- Euro efficiency up to 98,7%

### BENEFITS:

- More stable and reliable
- New monitoring solution
- Saving storage and installation space
- Higher inverter control accuracy
- Meet the latest certification and regulations



# TECHNICAL DATA

Model	Soleil SPX 200K	Soleil SPX 225K	Soleil SPX 250K	Soleil SPX 300K	Soleil SPX 320K	Soleil SPX 350K
<b>INPUT PARAMETERS</b>						
Operating MPPT Voltage Range	500-1500Vdc			500-1500Vdc		
Starting Voltage	550Vdc			550Vdc		
Max power Voltage range	860-1250Vdc			860-1300Vdc		
Max DC Voltage	1500Vdc			1500Vdc		
Number of MPPT	N. 12*30A or N.6*60A			N.12*40A		
No.of PV strings per MPPT	N.2 x 12 MPPT / N.3 x 6MPPT			N.2		
<b>OUTPUT PARAMETERS</b>						
Nominal AC Power	200kW	225kW	250kW	300kW	320kW	350kW
Max. AC Power	225kVA	247,5kVA	250kVA	330kVA	352kVA	355kVA
Nominal AC Current	158A	178A	180A	238A	254A	256A
AC Voltage	800V / 50-60Hz			800V / 50-60Hz		
THDi	<3% (rated power)			<3% (rated power)		
<b>GENERAL FEATURES</b>						
Max efficiency	0,99			0,99		
European efficiency	0,987			0,985		
MPPT efficiency	0,999			0,999		
Communication	RS485 Modbus / WiFi / Power Line Comunication (optional)			RS485 Modbus / WiFi / Power Line Comunication (optional)		
Dimensions (WxHxD)	1100x760x361mm			1200x800x360mm		
Weight	115kg			140kg		
Protection Degree	IP 66			IP 66		
Cooling Concept	Intelligent Forced air			Intelligent forced air		
Operating temp. / humidity	-25°C / +60°C (<45°C --> Max Power AC) / 0~100%			-25°C / +60°C (<45°C --> Max Power AC) / 0~100%		
<b>FUNCTION AND PROTECTION</b>						
Anti-islanding	Yes			Yes		
AC short circuit protection	Yes			Yes		
DC (PV) reversed connection	Yes			Yes		
Temperature protection	Yes			Yes		
Surge protection	Yes			Yes		
AFCI function	YES (optional)			YES (optional)		
Integrated PID function	YES (optional)			YES (optional)		
IV curve scan and diagnosis	YES (optional)			YES (optional)		
Support night SVG function	YES (optional)			YES (optional)		
DC Switch	N. 4 DC Switch			N. 4 DC Switch		
Standard	EN62109-1, EN62109-2; EN61000-6-4; Low Voltage Directive 2014/35/EU; IEC 62116; EN 50530; CEI 0-16;A68 Terna; VDE-AR-N 4110:2018 (on request)			EN62109-1, EN62109-2; EN61000-6-4; Low Voltage Directive 2014/35/EU; IEC 62116; EN 50530; CEI 0-16;A68 Terna; VDE-AR-N 4110:2018 (on request)		

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



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