



## Inverter Soleil SRT 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 SRT 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:

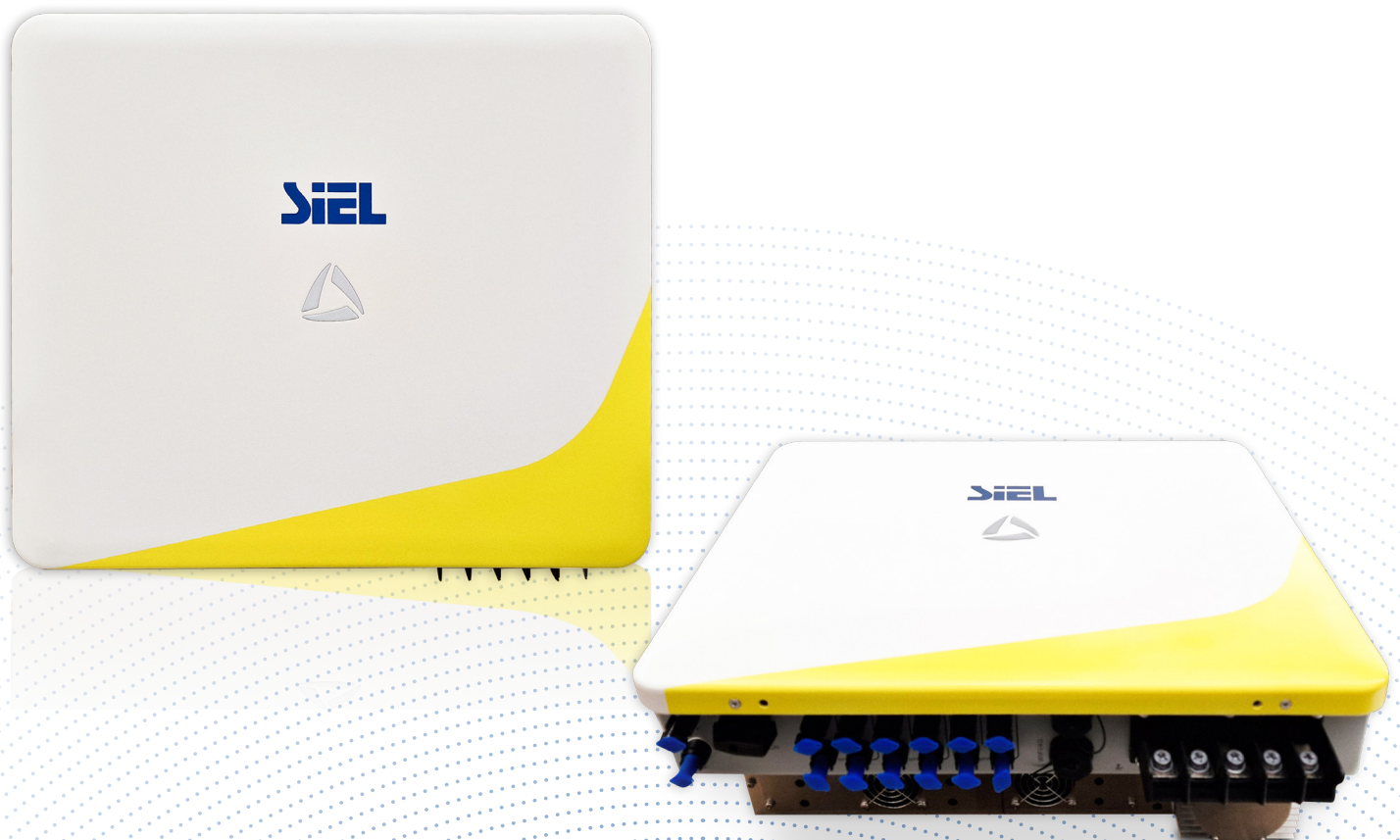
- Built-in Wifi
- High performance DSP for algorithm control
- Compliant to many grid codes
- New design
- SRT 20-30K family LiFePO4 optional
- Connectable by PPC or CCI

### ADVANTAGES:

- Plug and play
- Easy transportation and installation
- Adjustable active and reactive power
- Max efficiency up to 99%,
- Euro efficiency up to 98,4%
- Self-consumption

### BENEFITS:

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



# TECHNICAL DATA

Model	Soleil SRT 3K	Soleil SRT 5K	Soleil SRT 20K	Soleil SRT 30K	Soleil SRT 50K	Soleil SRT 60K	Soleil SRT 100K	Soleil SRT 125K
<b>INPUT PARAMETERS</b>								
Operating MPPT Voltage Range	100-500Vdc		180-850Vdc		300-850Vdc		500-850Vdc	
Full Power MPPT	150-450Vdc	230-450Vdc	350-850Vdc		500-850Vdc		500-850Vdc	
Max DC Voltage	600Vdc		1100Vdc					
Number of MPPT	2	2	2	3	4	4	9	9
No.of PV strings per MPPT	1	2	2	2	2	2	2	2
Current each MPPT Imp	15	15	30	30	40	40	30	30

<b>OUTPUT PARAMETERS</b>								
Nominal AC Power	3000W	5000W	20kW	30kW	50kW	60kW	100kW	125kW
Max. AC Power	3300VA	5500VA	22kVA	33kVA	55kVA	66kVA	110kVA	137,5kVA
Nominal AC Current	13A	21,7A	28,9A	43,7A	72,4A	86,9A	144,9A	180,6A
AC Voltage	1 ph 220/230/240V		3ph 380/400/415V (TN-S,TN-C,TN-C-S,TT,IT)					
Frequency	50/60Hz							

<b>BATTERY PACK SPECIFICATION</b>								
Battery Type	-	-	LFP (LiFePO4)		-	-	-	-
Energy Capacity	-	-	5kWh		-	-	-	-
Max N. Battery Pack/ Energy	-	-	N.8 / 40kWh		-	-	-	-
Safety Standard (Cell)	-	-	IEC62619-UL 1973-UN38.3		-	-	-	-

<b>GENERAL FEATURES</b>								
Max efficiency	98,1%		98,5%	98,6%	98,8%	98,8%	98,7%	98,7%
European efficiency	97,7%		98%	98,2%	98,4%	98,45%	98,5%	98,5%
Efficiency MPPT	99,9%							
Communication	RS485 Modbus / WiFi							
Dimensions (WxHxD)	360x420x125mm		460x420x182mm	550x480x200mm	670x525x284mm		1030x610x345mm	
Weight	12,5kg		17kg	27kg	50kg		79kg	
Protection Degree	IP65		IP66					
Cooling Concept	Natural convection		Intelligent forced air cooling					
Operating temp.	-25°C / +60°C (<45°C --> Max Power AC)		-25°C / +60°C					
Anti-islanding					Yes			
DC(PV) reversed protection					Yes			
Surge protection	Yes (DC Type II & AC Type III)		Yes (DC Type II & AC Type II)					
AC short circuit protection					Yes			
Temperature protection					Yes			
Dc Switch					Yes			
Standard	EN62109-1, EN62109-2, EN 61000-6-4; Low Voltage Directive 2014/35/EU ; VDE-AR-N-4105,VDE 0126-1-1, RD1699, C10/11, G83/2, UTE C15-712-1, AS4777, CEI 0-21*, CEI 0-16*, A68 Terna*							

\* Depending on the sizes.

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



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