



Soleil Hybrid Inverter

Safety - Simple – Interconnect – Intelligent – User Friendly

- New design
- Compliant to many grid codes
- Multi-button touch interface
- Built-in Wifi
- Remote access by APP
- BMS Communication CAN & RS485
- Easy installation
- Plug and play
- Fast commissioning
- Flexibility Configuration
- Battery modular design
- Long Duration- ≥ 10000 cycles
- AC/DC switch integrated
- Noise Emission [dB] <25
- IP 65
- Natural cooling
- 5 years warranty on product, 10 years on batteries



TECHNICAL DATA:

	Model	Soleil Hybrid 3,6K-1ph	Soleil Hybrid 5K-1ph
DC-PV INPUT PARAMETERS	Max PV input Power	4800W	6500W
	Max PV Voltage / MPPT Range / Full Power	580V / 80-560V / 210-550	
	N.of MPPT / N. String for MPPT	2/1	
	Max PV input current - (Isc)	2 x 15A - (18A)	
	Max / Euro efficiency	97,6 / 97%	
BATTERY PACK SPECIFICATION	Rated Battery Voltage	51.2V	
	Operating Voltage Range	44.8~57.6V	
	Max. Discharging Current	80A	
	Depth of Discharge (DoD)	0,9	
	Max. Charging Current	50A	
	Battery Switch	Bipolar DC Switch (125A/Pole)	
	Battery Type	LFP (LiFePO4)	
	Energy Capacity	5.12kWh	
	Modules Connection	max. 4 batteries in parallel (each module 5.12 kWh)	
	Operating Temperature Range	0 ~+50°C (charge)/-10 ~+50 °C(discharge)	
	Storage Temperature Range	-30 ~+60 °C	
	Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature	
	Weight (Kg)	58	
	Dimension (W×H×D)mm	540x490x240	
Safety Standard (Cell)	IEC 62619, UL 1973, UN 38.3		
GRID PARAMETERS	AC Connection / Rated Voltage AC	L+N+PE - 230Vac	
	Rated frequency	50-60Hz	
	Max. Apparent Power from Grid	7360VA	
	Max continuous input current	32A	
AC OUTPUT PARAMETER	AC Connection / Rated Voltage AC	L+N+PE - 230Vac	
	Output frequency	50-60Hz	
	Max. Power Output to Utility Grid	3680W	5000W
	Max. Current Output to Utility Grid	16A	22A
	TDHi	<3%	
	Power Factor (cos Φ)	(0.8 leading - 0.8 lagging), (adjustable)	
Power grid disconnecter	Bipolar circuit breaker (40A)		
EPS AC OUTPUT	AC Connection / Rated Voltage AC	L+N+PE - 230Vac	
	Rated Output Frequency	50/60Hz (±0.2%)	
	Rated AC Current	13A	20A
	Max / Rated Output Power	4000VA/3680W	5000VA/4600W
	Automatic switch time	<20 ms	
	THDv	<2% (Linear load)	
	OverLoad	110% 10sec	
	Overload protection	32A	
	Max Efficiency (Battery mode)	94%	
GENERAL SPECIFICATION	Dimension and Weight Hybrid Inverter (W×H×D)mm	540x490x240 / 39kg	
	Temperature Range (°C)	-20 ~+60 (Rated Power@45)	
	Relative Humidy	0~95% (NO CONDENSATION)	
	Topology	High Frequency Isolation	
	Communication Interface	LCD - APP - RS485 - CAN2.0 -WIFI	
	Surge Protection Overvoltage Category	II(DC SIDE), III(AC SIDE)	
STANDARD	Grid Code	AS/NZS 4777.2, VDE-AR-N4105, VDE0126-1-1, CEI 0-21	
	Safety Regulation	IEC/EN 62109-1&2, IEC62040-1	
	EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29	

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



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