

## Hybrid inverter Solis 8 kW three phase, dual MPPT, 97,7% efficiency



**Product code:** F4SOL-RHI-3P8K-HVES-5G  
**Brand:** Array  
**Category:** Solar power plants > Photovoltaic inverters

**PRICE : €1,764.18**

### About the product

**Manufacturer:**  
**Country of origin:**  
**Height, mm:** 455  
**Width, mm:** 535  
**Depth, mm:** 181  
**Efficiency:** 97.7  
**Electr. power (W) to:** 8000  
**Item type:**  
**Warranty, year:** 5

### Description

#### Characteristics:

3 working modes and programmable energy management  
Automatic switching of the power source within 40 ms  
Backup provided power up to 6 kW  
Intelligent energy management, real-time monitoring of PV systems operation  
Several levels of protection

#### Technical characteristics:

Input current, DC (on PV side)  
Recommended maximum PV power: 12,8 kW  
Maximum input voltage: 1000 V  
Nominal voltage: 600 V  
Starting voltage: 160 V  
MPPT ring voltage range: 200-850 V  
Maximum input current: 26 A / 13 A  
Max. short circuit current: 39 A / 19,5 A  
Number of MPPT / Max. number of inputs: 2/3

#### Battery

Battery type: Lithium-ion  
Battery voltage range: 160 - 600 V  
Battery capacity: 50 - 2000 Ah  
Max. charge/discharge power: 8 kW  
Max. charge/discharge current: 25A  
Information transmission: CAN/RS485

#### Output current, AC (Mains side)

Nominal output power: 8 kW  
Maximum apparent output power: 8 kVA  
Operating Phase: 3/N/PE  
Nominal mains voltage: 380 V / 400 V  
Nominal mains frequency: 50 Hz / 60 Hz  
Nominal mains output current: 12,2 A / 11,5 A  
Maximum output current: 10 A  
Power factor: >0.99 (adjustable from 0.8 to 0.8 lag)  
THDi: < 2 %

#### Output current, AC ("Back-up")

Nominal output power: 8 kW  
Maximum apparent output power: 8 kVA  
Peak apparent output power: 16 kVA, 60 sek.  
Back-up switching time: < 40 ms  
Nominal mains voltage: 3/N/PE, 380 V / 400 V  
Nominal mains frequency: 50 Hz / 60 Hz  
Nominal mains output current: 12,2 A / 11,5 A  
Maximum output current: 13,4 A  
THDv (line load): < 2 %

#### Efficiency

EU efficiency: 97,7 %  
MPPT efficiency: 99,9 %  
Battery charge/discharge efficiency: 97,5 %

#### Apsauga

Anti-Islanding Protection: Yes  
Output overcurrent protection: Yes  
Short circuit protection: Yes  
DC breaker: Yes  
DC polarity reversal protection: Yes  
PV surge protection: Yes  
Battery reverse protection: Yes

#### General data

Topology: Without transformers

Power consumption of the system: < 7 W  
The working ambient temperature of the system: -25~ +60 °C  
Operating humidity range of the system: 0 - 100%  
Protection class: IP65  
Cooling: Natural convection  
Maximum working altitude: 4000 m  
DC connector: MC4  
AC connector: Quick connect connector  
Screen: LCD  
Information transmission: RS485; WiFi/GPRS (additional function)