

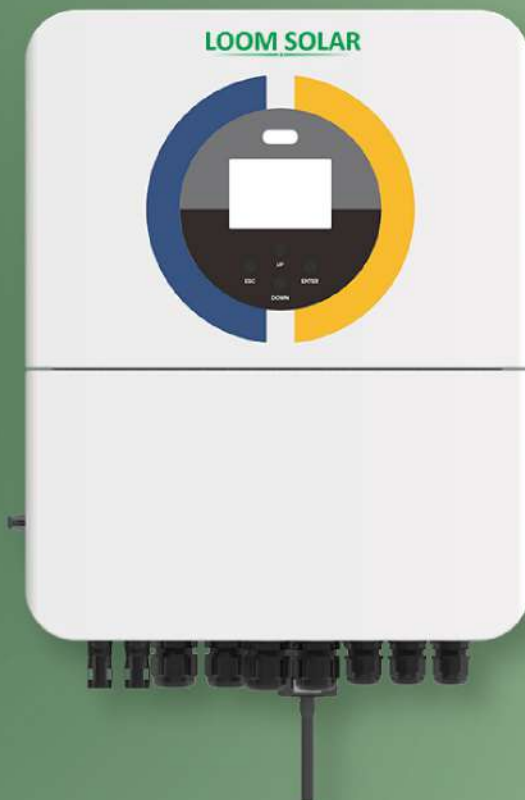
HYBRID INVERTER

5 kW

Fusion 51H

(20+20) A **100%** **5 kW**
 Max. PV Input Current Max. PV Input Current Rated Output Power

Commercial | Three-Phase | 2 MPPTS



Safe and Reliable

- Reliable Heat Dissipation
- DC/AC Lightning Proof
- Anti-Corrosion Alloy
- Adapt to Various Environment



High Yield

- Maximum Efficiency 97.5%
- Wide MPPT Voltage Range.
- Up to 10% Continuous Output Overloading Capacity



Easy to Use

- Plug and Play
- RS-485 / Wi-Fi / GPRS / LAN Optional
- Remote Upgrading Available
- Easy Configuration via App / OLED

Fusion Series

The Power Master



HYBRID INVERTER SINGLE PHASE-LOW VOLTAGE

Technical Datasheet

	Single -Phase
CAPACITY (kW)	5 kW 48 V
MODEL NUMBER	FUSION 51H
BATTERY INPUT DATA	
Battery Type	Lead-acid or Li-ion
Battery Voltage Range (V)	40~60
Max. Charging Current (A)	120
Max. Discharging Current (A)	120
Charging Strategy for Li-ion Battery	Self-adaption to BMS
PV STRING INPUT DATA	
Max. DC Input Power (W)	5500
Rated PV Input Voltage (V)	370
Voltage Operating Range (V)	125~500
Start-Up Voltage (V)	125
MPPT Voltage Range (V)	150~425
Full Load DC Voltage Range (V)	300~425
PV Input Current (A)	20+20
Max. PV Isc Current (A)	27+27
Number of MPPT/Strings per MPPT	2 / 1+1
AC OUTPUT DATA	
Rated AC Output Power (W)	5000
Max. AC Output Power (W)	5500
AC Output Current (A)	21.7
Max. Continuous AC Passthrough Current (A)	35
Peak Power (Off-grid)	2 times of rated power, 10 s
Output Frequency and Voltage	50/60 Hz ; L/N/PE 220/230 Vac (Single-Phase)
Grid Connection	Single-Phase
DC Injection Current (mA)	<0.5 % IN
EFFICIENCY	
Max. Efficiency (%)	97.60
Euro Efficiency (%)	97
MPPT Efficiency (%)	99.90
PROTECTION	
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection .
Output Over Voltage Protection	DC Type II / AC Type III
GENERAL DATA	
Operating Temperature Range	-45~60°C, >45°C derating
Cooling	Natural Cooling
Communication with BMS	RS-485 ; CAN
Weight (kg)	15.1
Dimensions (W x H x D)mm	330 x 433 x 238
Protection Degree	IP65
Installation Type	Wall- Mount
Standard Warranty	5 Years *