

# INVERTER SMILE5-INV

## RESIDENTIAL SERIES



General	
Model	SMILE5-INV
Country of Manufacturer	China
Compatible Battery Technology	Only LiFePO4 (LFP)
Dimensions (W x H x D)	600 x 600 x 250 mm
Net Weight	60 kg
Interace	
Communication	Ethernet
Ambient Conditions	
Humidity	15% ~ 85% (No Condensing)
Operating Temperature	-20°C ~ 60 °C
IP Protection Class	IP65
Standards & Guidelines	
Grid Regulation	AS 4777.2/.3
Safety	IEC 62109-1&-2, IEC62477-1, IEC 62040.1.1, IEC 62116
EMC	EN 61000-6-1/2/3/4

# INVERTER SMILE5-INV



## Technical Specification

### PV Input (DC)

Maximum Input PV Power	2 x 3330 W
Maximum DC Voltage	580 V
Nominal DC Voltage	360 V
Start-up DC Voltage	125 V
MPPT Voltage Range	125 ~ 550 V
MPPT Number	2
Maximum Input Current	2 x 12 A
Maximum Short-circuit Current	2 x 15 A

### Grid Output (AC)

Rated Output Power (Real)	5000 W
Rated Output Power (Apparent)	5000 VA
Rated UPS Output power	5000 VA
Nominal Output Voltage	230 V
Output Voltage Range	180 ~ 270 V
Maximum Output Current	22 A
Output Power Factor	0.8 leading to 0.8 lagging
Grid Connection	Single-phase

### Battery Input (DC)

Nominal DC Voltage	48 V
DC Voltage Range	40 ~ 60 V
Maximum Charging Current	100 A
Maximum Discharging Power	5000 W

### Efficiency

Maximum Efficiency	97.6%
EURO Efficiency	97.0%

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