

Hybrid Inverter

# SMILE5-INV



## General

Model	SMILE5-INV
Dimensions (W x D x H)	600x 250x 450 mm
Net Weight	40kg

## Interface

Communication Port	CAN/USB
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## Ambient Conditions

Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	-20°C ~ 60 °C
IP Protection Class	IP65

## Standards & Guidelines

Grid Regulation	VDE4105, VDE0126-1-1+A1, G59/3, AS4777.2 /3, CEI 0-21
Safety	IEC62109-1&-2
EMC	EN61000-6-1/2/3/4, EN 61000-3-11/12

**Hybrid operation****PV Input (DC)**

Max. Input PV Power	6600W
Maximum DC Voltage	580 V
Nominal DC Voltage	360 V
Start-up DC Voltage	125 V
MPP Voltage Range	125 ~ 550 V
MPPT Number	2
Maximum Input Current	2 x 15 A

**Grid Output (AC)**

Rated Power	5000 W / 4600 W (DE)
Backup Output Power	4000W (150%P <sub>n</sub> , 10S)
UPS	Yes
Nominal Output Voltage	230 V
Output Voltage Range	180 ~ 270 V
Nominal Output Current	20 A
Power Factor	> 0.99
Grid Connection	Single-phase

**Battery Input (DC)**

Nominal DC Voltage	48 V
Maximum Charging Current	100A
Maximum Discharging Power	5000 W

**Efficiency**

Maximum Efficiency	97.6%
EURO Efficiency	97%

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