

Hybrid Inverter

SMILE5-INV



General

Model	SMILE5-INV
Dimensions (W x D x H)	600x 250x 600 mm
Net Weight	65kg

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 12 A

Grid Output (AC)

Rated Power	5000 W / 4600 W (DE)
Backup Output Power(Resistive load)	4000W (150%Pn, 10S)
UPS(Resistive load)	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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