

YOUR
SMART
ENERGY



INVERTER SMILE5-INV

RESIDENTIAL SERIES



General

Model	SMILE5-INV
Dimensions (W x D x H)	610 x 236 x 615 mm
Net Weight	60 kg

Interface

Communication	Ethernet
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Ambient Conditions

Humidity	15% ~ 85% (No Condensing)
Operating Temperature	-20°C ~ 60 °C

IP Protection Class	IP65
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Standards & Guidelines

Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/1.3, CEI 0-21, G99-1, G100, RD 1699, NRS 097-2-1, TOR D4
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 3300 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 Power	4600 W
UPS(Resistive load)	Yes
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	4600 W
Compatible Chemistry	LFP

Efficiency

Maximum Efficiency	97.6%
EURO Efficiency	97.0%

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