

Hybrid Inverter

SMILE5-INV



<i>General</i>	
Model	SMILE5-INV
Dimensions (W x D x H)	610 x 236 x 615 mm
Net Weight	58 kg
Interace	
Communication Port	CAN/USB
Ambient Conditions	
Humidity	15% ~ 85% (No Condensing)
Operating Temperature	-20°C ~ 60 °C
IP Protection Class	IP65
<i>Standards & Guidelines</i>	
Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2, CEI 0-21, G59/3
Safety	IEC 62109-1&-2, IEC 62477-1 , IEC 62040.1.1, IEC 62116
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

Hybrid operation

PV Input (DC)

Max. Input PV Power	6600 W
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
Max. Short-circuit Current	2 x 15 A

Grid Output (AC)

Rated Power	4600 W
Backup Output Power(Resistive load)	4000W (150%Pn, 10S)
UPS(Resistive load)	Yes
Nominal Output Voltage	230 V
Output Voltage Range	180 ~ 270 V
Max. 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
Maximum Charging Current	100 A
Maximum Discharging Power	5000 W

Efficiency

Maximum Efficiency	97.6%
EURO Efficiency	97.0%

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