



Hybrid Inverter

# **SMILE5-INV**



| General                |  |  |
|------------------------|--|--|
| Model                  | SMILE5-INV   |  |
| Dimensions (W x D x H) | 600x 250x 450 mm                                       |  |
| Net Weight             | 40kg   |  |
| Interace               |  |  |
| Communication Port     | CAN/USB  |  |
| 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                    |  |



## DATASHEET

| 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%Pn, 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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