

MINI CENTRAL INVERTER

SMC 7000HV



PRODUCT ADVANTAGES:

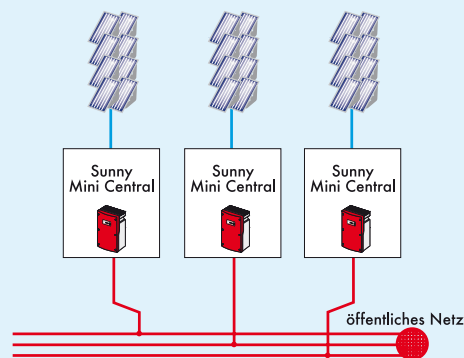
Input current to 800 V

Highly efficient cooling system OptiCool®

Galvanic isolation

Integrated DC load circuit breaker ESS

5-year SMA warranty*



Connection example: Sunny-Mini-Central (3-phase grid connection)

TECHNICAL DATA

| SMC | | 7000HV |
|---|--------|------------------------|
| Input (DC) | | |
| Max. DC output | W | 7500 |
| Max. DC voltage | V | 800 |
| PV voltage range MPPT | V | 335–560 |
| Max. input current | A | 23 |
| No. of MPP trackers | Pieces | 1 |
| Max. no. of strings (parallel) | Pieces | 4 |
| Output (AC) | | |
| AC nominal rating | W | 6650 |
| Max. AC output | W | 7000 |
| Max. output current | A | 31 |
| AC nominal voltage / range | V | 220–240 / 180–260 |
| AC grid frequency (self-adjusting) range | Hz | 50 / 60 / ±4.5 |
| Capacity factor | cos φ | 1 |
| AC connection / Power Balancing | | 1-phase / yes |
| Degree of efficiency | | |
| Max. efficiency | % | 96.1 |
| Euro eta | % | 95.3 |
| Protective equipment | | |
| DC reverse polarity protection | | yes |
| DC load circuit breaker ESS | | yes |
| AC short circuit protection | | yes |
| Ground fault monitoring | | yes |
| Grid monitoring | | yes |
| Galvanic isolation / Integrated universal current sensitive RCD | | yes |
| General data | | |
| Dimensions (W / H / D) | mm | 468 / 613 / 242 |
| Weight | kg | 65 |
| Operation temperature range | °C | –25 ... +60 |
| Own consumption: Standby / night operation | W | < 7 / 0.25 |
| Topology | | low frequ. transformer |
| Cooling concept | | OptiCool® |
| Installation site: indoor / outdoor (IP65) | | yes / yes |
| Equipment | | |
| DC connection | | yes, MC 4 |
| AC connection | | yes |
| LCD display | | yes |
| Interface: RS 232 / RS 485 / radio | | optional |
| Warranty: 5 years / 10 years | | yes / optional |
| Article numbers | | |
| | | 300017000HVES5 |

* The complete warranty conditions are binding as per your relevant version, a copy of which can be requested from your IBC SOLAR specialist partner.

Subject to technical changes for further improvements.

08-2008