# SUNNY BOY 3.0 / 3.6 / 4.0 / 5.0 including SMA SMART CONNECTED





- SMA Smart Connected
- Investment security included
- Automatic monitoring by SMA
- Proactive information and automatic service
- Easy to Use
- Safe plug and play installation
- Commissioning via smartphone or tablet
- WLAN and intuitive webserver

#### **Everything at a Glance**

- Free online monitoring
- PV system data viewable via smartphone

#### Future-Proof

- SMA storage solutions, intelligent energy management and Smartmodule technology can be added at any time
- Dynamic feed-in control

# SUNNY BOY 3.0 / 3.6 / 4.0 / 5.0

More than just an inverter. Smaller, simpler and more convenient with SMA Smart Connected

The new Sunny Boy 3.0 – 5.0 succeeds the globally successful Sunny Boy 3000 – 5000TL. It is more than just a PV inverter: with the integrated SMA Smart Connected service, it offers all-round comfort for PV system operators and installers alike. The automatic inverter monitoring by SMA analyzes operation, reports irregularities and thus minimizes downtime.

The Sunny Boy is ideally suited to solar power generation in private homes. Thanks to its extremely light design and location of the external connections, the device can be quickly installed and easily commissioned thanks to the intuitive webserver.

Current communication standards mean that intelligent energy management solutions as well as SMA storage solutions can be flexibly added to the inverter at any time.

## SMA SMART CONNECTED

### The integrated service for ease and comfort

SMA Smart Connected<sup>\*</sup> is the free monitoring of the inverter via the SMA Sunny Portal. If there is an inverter fault, SMA proactively informs the PV system operator and the installer. This saves valuable working time and costs.

With SMA Smart Connected, the installer benefits from rapid diagnoses by SMA. They can thus quickly rectify the fault and score points with the customer thanks to the attraction of additional services.





#### **ACTIVATION OF SMA SMART CONNECTED**

During registration of the system in the Sunny Portal, the installer activates SMA Smart Connected and benefits from the automatic inverter monitoring by SMA.



#### AUTOMATIC INVERTER MONITORING

SMA takes on the job of inverter monitoring with SMA Smart Connected. SMA automatically checks the individual inverters for anomalies around the clock during operation. Every customer thus benefits from SMA's long years of experience.



#### PROACTIVE COMMUNICATION IN THE EVENT OF FAULTS

After a fault has been diagnosed and analyzed, SMA informs the installer and end customer immediately by e-mail. Everyone is thus optimally prepared for the troubleshooting. This minimizes the downtime and saves time and money. The regular power reports also provide valuable information about the overall system.



#### REPLACEMENT SERVICE

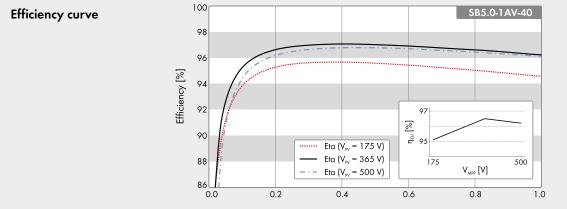
If a replacement device is necessary, SMA automatically supplies a new inverter within one to three days of the fault diagnosis. The installer can contact the PV system operator of their own accord and replace the inverter.



#### PERFORMANCE SERVICE

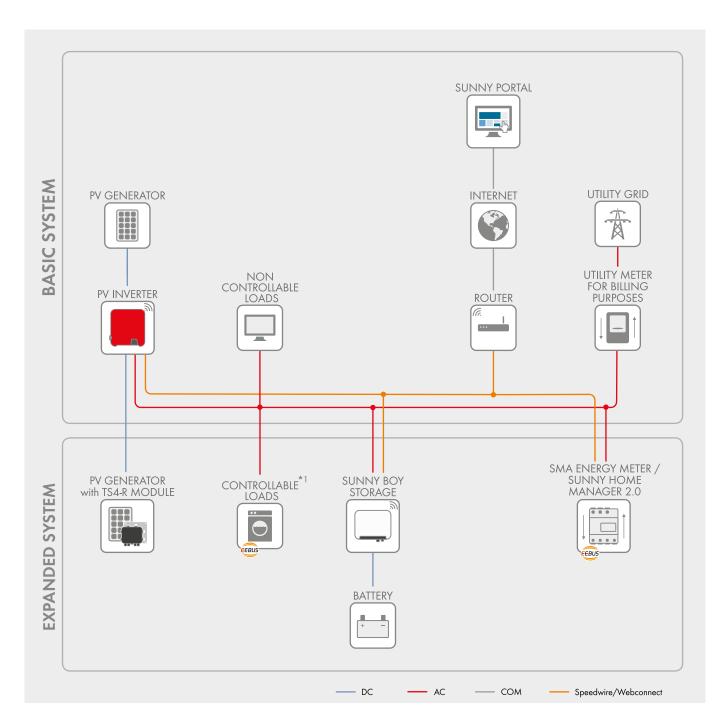
The PV system operator can claim compensation from SMA if the replacement inverter cannot be delivered within three days.

\* Details: see document "Description of Services - SMA SMART CONNECTED"



Output power / Rated power

Reted input voltage         365 V           Min. input voltage / initial input Alget         100 V / 125 V           Mix. input current per string input A / input B         15 A / 15 A           Number of independent MP inputs         2 / A2; B2           Output (A)         3600 W         3680 W         4000 VA         5000 VA           Max. apportent power (at 230 V, 50 Hz)         3000 VA         3680 VA         4000 VA         5000 VA <sup>3</sup> Max. apportent power AC         3000 VA         3680 VA         4000 VA         5000 VA <sup>3</sup> Acc. apport carge indiversity of the indin indiversity of the indiversity of the indiversity of	Technical data	Sunny Boy 3.0	Sunny Boy 3.6	Sunny Boy 4.0	Sunny Boy 5.0
Max "pay voltage 600 v 130 V to 500 v 130 V to 500 v 175 V to 500 V Reted input voltage 700 v 130 V to 500 v 130 V to 500 v 175 V to 500 V Reted input voltage 700 v 130 V to 500 v 130 V to 500 v 175 V to 500 V Reted input voltage 700 v 130 V to 500 v 130 V to 500 v 175 V to 500 V Reted input voltage 700 v 130 V to 500 v 135 V Max. uppt atternet per string input A / input B Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 3000 V 3680 V 4000 V 5000 V 1 Reted power (1230 V, 50 Hz) 7 Reted power (1230 V, 1	Input (DC)				
MPP winkings mage       110 V to 500 V       130 V to 500 V       175 V to 500 V         Min. input voltage       00 V / 125 V         Mox. input control fropt A / Input B       15 A / 15 A         Number of independent MP input B       15 A / 15 A         Number of independent MP input B       15 A / 15 A         Number of independent MP input B       2 / A2, B2         Win Arc apport Provem AC       3000 W       3680 W       4000 W       5000 W <sup>11</sup> Nomine of independent MP input B       3000 VA       3680 W       4000 W       5000 W <sup>11</sup> Nomine of independent MP input B       3000 VA       3680 W       4000 W       5000 W <sup>11</sup> Nomine of independent MP input B       3000 VA       3680 W       4000 W       5000 W <sup>11</sup> Nomine AC voltage / range       3000 VA       3680 W       4000 W       5000 W <sup>11</sup> Nomine AC voltage / range       3000 VA       3680 W       4000 W       5000 W <sup>11</sup> Nomine AC voltage / range       16 A       16 A       22 A <sup>21</sup> 22 A <sup>21</sup> 22 A <sup>21</sup> Rower foctor a rated power       16 A       1	Max. generator power	5500 Wp	5500 Wp	7500 Wp	7500 Wp
Basel norm         365 V           Moin input voltage         100 V / 125 V           Mox, input current input A / input B         15 A / 15 A           Number of indegeneendent MP input, 3 trins par MPP input         2 / A2, 82           Output CAS         3000 VX         3680 VA         4000 VA         5000 VA <sup>2</sup> Redet power (ing 230 V, 50 Hz)         3000 VX         3680 VA         4000 VA         5000 VA <sup>2</sup> Nomind AC voltage/ range         220 V, 230 V, 240 V/ 180 V to 280 V         500Hz / 230 V         500Hz / 230 V           Acp power frequency / range         50 Hz / 61 A         22 A 2, 23 V         22 A 2, 24 V         22 A 2, 24 V           Max upparent power AC         16 A         16 A         22 A 2, 31 V         22 A 3, 31 V         300 V	Max. input voltage		60	0 V	
Min. finger veloage / initial prov veloage Max. input arrent input A / input B Max. input arrent input A / input B Max. input arrent input A / input B Number of independent MPI input / strings per MPI input Output IA2 Output IA2 Output IA2 Number of independent MPI input / strings per MPI input Output IA2 Output IA2 Number of independent MPI input / strings per MPI input Output IA2 Output IA2 Normial AC: veloage / range AC power frequency / range AC power fr	MPP voltage range	110 V to 500 V	130 V to 500 V	140 V to 500 V	175 V to 500 V
Max inget current inget A / inget B	Rated input voltage		36	5 V	
Max. Tappet current per string input A / Input B         15 A / 15 A           Number of independent MPP inputs / strings per MPP input         2 / A2; B2           Output (AC)         3000 W         3680 W         4000 W         5000 W1           Max. apported power AC         3000 VA         3680 VA         4000 VA         5000 VA           Nomined AC voltage / range         220 V; 230 V; 240 V	Min. input voltage / initial input voltage	100 V / 125 V			
Number of independent MPP input / strings per MPP input         2 / A.2; B.2           Output (AC)         3000 W         3660 W         4000 W         5000 W <sup>1</sup> Max. apportent power AC         3000 VA         3660 VA         4000 VA         5000 VA <sup>1</sup> Mox. apportent power AC         3000 VA         3660 VA         4000 VA         5000 VA <sup>1</sup> Mox. apportent power AC         3000 VA         3660 VA         4000 VA         5000 VA <sup>1</sup> Mox. apportent power AC         3000 VA         3660 VA         4000 VA         5000 VA <sup>1</sup> Mox. apportent power AC         3000 VA         3660 VA         4000 VA         5000 VA <sup>1</sup> Mox. apportent power factor at apportent power factor a	Max. input current input A / input B	15 A / 15 A			
Output (AC)         3000 W         3680 W         4000 W         5000 W/II           Reide power (at 230 V, 50 Hz)         3000 VA         3680 VA         4000 VA         5000 V/II           Nominal AC voltage / range         220 V, 230 V, 240 V/ 180 V to 280 V         5000 V/II         5000 V/II           Reide power frequency / rated grid voltage         500 Hz / 230 V         4000 VA         5000 V/II           Reide power frequency / rated grid voltage         16 A         16 A         22 A <sup>2I</sup> 22 A <sup>2I</sup> Reide power frequency / rated grid voltage         10 A         16 A         22 A <sup>2I</sup> 22 A <sup>2I</sup> Rever factor at rated power         1         1         40// 4000 V/III         20 K/III         20 K/IIII         20 K/IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Max. input current per string input A / input B		15 A ,	/ 15 A	
Benel power (nf 230 V, 20 H2)         3000 W         3660 W         4000 W         5000 W1           Max. apparent power AC         3000 VA         3660 WA         4000 VA         5000 VA <sup>31</sup> Max. apparent power AC         3000 VA         220 V, 230 V, 240 V / 180 Vh 280 V         5000 VA <sup>31</sup> Max. apparent power AC         50 Hz, 72 Hz hz +5 Hz         50 Hz, 72 Hz hz +5 Hz         50 Hz, 72 Hz hz +5 Hz           Role opwort frequency / ratel gid voltage         50 Hz, 72 Hz hz +5 Hz         50 Hz, 72 Hz         52 A <sup>21</sup> 22 A <sup>31</sup> 22 A <sup>3</sup>	Number of independent MPP inputs / strings per MPP input	2 / A:2; B:2			
Max. apparent power AC         3000 VA         3680 VA         4000 VA         5000 VA <sup>2</sup> Namind AC voltage / range         220 V, 230 V, 240 V / 180 V to 280 V         200 V, 230 V, 240 V / 180 V to 280 V           Ac power frequency / range it availage         50 Hz / 230 V         20 V, 230 V, 240 V / 180 V to 280 V           Max. output current         16 A         16 A         22 A <sup>21</sup> 22 A <sup>21</sup> Rower factor at rated power         16 A         16 A         1         Adjustable displacement power factor         0.8 overexcited to 0.8 underexcited           Fedial phrases         1 / 1         Fedial phrases         1 / 1         Fedial phrases         7 / 0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.	Output (AC)				
Neminal AC voltage / range       220 (), 230 (), 240 () / 180 (V to 280 V         AC power fraquency / range (range)       50 Hz / 23 V         Roted power fraquency / range (range)       50 Hz / 23 V         Max. culpt current       16 A       16 A         Power factor and rate power       1       1         Adjustable displacement power factor       0.8 overescited to 0.8 underescited       1         Rote over frage mathematic power       1       1       1         Max. culpt Carrent       97.0% / 96.4%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%         Protective devices       -       -       -       -         Inputside disconnection point       -       -       -       -         Creaver poleity protection / Acbin curve trane copolity / golvanically isolded       -       -       -       -         Mixed power fract and trane copolity / golvanically isolded       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td< td=""><td>Rated power (at 230 V, 50 Hz)</td><td></td><td></td><td></td><td></td></td<>	Rated power (at 230 V, 50 Hz)				
AC power frequency / roled grid voltage         50 Hz, 60 Hz, / -5 Hz           Rated power frequency / roled grid voltage         50 Hz, 20 V           Nac. output current         16 A         16 A         22 A <sup>21</sup> 22 A <sup>21</sup> Power factor or rated power         0.8 overexcited to 0.8 underscited         1           Adjustable displacement power         1         1         1           Adjustable displacement power         1         1         1           Mac. efficiency         Veropean Efficiency         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%         97.0% / 96.5%	Max. apparent power AC	3000 VA	3680 VA	4000 VA	5000 VA <sup>2)</sup>
Rated power frequency / roted grid vollage       50 Hz / 230 V         Max. output current       16 A       16 A       22 A <sup>21</sup> 22 A <sup>21</sup> Adjustble displacement power factor       0.8 oversacited to 0.8 undersacited       6         Feddin phases       1 / 1       1         Efficiency       97.0% / 96.4%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 9	Nominal AC voltage / range	220 V, 230 V, 240 V / 180 V to 280 V			
Max. output current       16 A       16 A       22 A <sup>3</sup> 22 A <sup>3</sup> Power factor at rated power       1       1       1       1         Power factor at rated power       1       1       1       1         Efficiency       0.8 overexcited to 0.8 underexcited       0.8 underexcited       0.8 underexcited         Max. efficiency / European Efficiency       97.0% / 96.4%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 9	AC power frequency / range				
Power factor ot rated power       1         Adjustable displacement power factor       0.8 overeactied to 0.8 underexcited         Federin phases / connection phases       1 / 1         Efficiency / European Efficiency       97.0% / 96.4%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 0% / 0%       97.0% / 0% / 0%       97.0% / 0% / 0%       97.0% / 0% / 0% </td <td>Rated power frequency / rated grid voltage</td> <td colspan="4">50 Hz / 230 V</td>	Rated power frequency / rated grid voltage	50 Hz / 230 V			
Adjustable displacement power factor  Feedin places / connection phases  Fiftiency  Max, efficiency / European Efficiency  Protective devices  Inputside disconnection point  Grown footing inportection / AC short circuit current capability / golvanically isolated  All-pole-sensitive residual-current monitoring unit Protection class (as per IEC 62103] / overvoltage category (according to  EC 400641)  General data  Dimensions (W / H / D)  435 mm / 470 mm / 176 mm [17.1 inches / 18.5 inches / 6.9 inches)  Bide mission (W / H / D)  435 mm / 470 mm / 176 mm [17.1 inches / 18.5 inches / 6.9 inches)  Bide mission, typical  Convection  Convection  Display via smortphone, tablet, laptop  Interfaces: WLAN, Speedwire / Webconnect  Display via smortphone, tablet, laptop  Interfaces: WLAN, Speedwire / Webconnect  Display via smortphone, tablet, laptop  Interfaces: WLAN, Speedwire / Webconnect  As 4777, C10/11, CE, CEI 02, FLN 50438, RD1699, SI 4777, UEC 15712, VDE-ARN 4105, DDE 12, FLN, FLN, UN, UK  Adjustable  A	Max. output current	16 A	16 A	22 A <sup>2)</sup>	22 A <sup>2)</sup>
Feddin phases / connection phases       1 / 1         Efficiency       97.0% / 96.4%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 06.5%       97.0% / 06.5%<	Power factor at rated power			1	
Efficiency         Bit Stream         Stream <thstream< th=""> <tre< td=""><td>Adjustable displacement power factor</td><td colspan="4">0.8 overexcited to 0.8 underexcited</td></tre<></thstream<>	Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited			
Max. efficiency / European Efficiency       97.0% / 96.4%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%       97.0% / 96.5%	Feed-in phases / connection phases		1,	/1	
Protective devices       Inputside disconnection point         Inputside disconnection point       ●         Coround foult monitoring / grid monitoring       ●         DC reverse polarity protection / AC short circuit current capability / grid-monitolity is dual-current monitoring unit       ●         Protection class (as per IEC 62103) / overvoltage cotegory (according to IEC 60664.1)       ●         General data       ●         Dimensions (W / H / D)       435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)         Weight       0         Operating temperature range       -255°C to + 60°C (-13° Fto +140° F)         Noise emission, typical       25 dB(A)         Self-Consumption (at night)       1.0 W         Topology       Informatormerless         Cooling method       Corowection         Degree of protection (as per IEC 60529)       IP655         Climatic cotegory (as per IEC 60721.3.4)       AKAH         Mox. permissible value for relative humidity (non-condensing)       ●         Equipment       ●         Dislory vias matriphone, tablel, plopo       100%         Interfaces: WLAN, Speedwire / Webconnect       ●         Warrany: 5 / 10 / 15 yeors       S4 2777, C10/11, CE, CEI 0.21, EN S0438, GS12, DIN EN 62109 / IEC 62102         Verinflictes and approvals (forumed)	Efficiency				
Inputside disconnection point <ul> <li>Ground foult monitoring / grid monitoring</li> <li>Ground foult monitoring / grid monitoring</li> <li>Ground foult monitoring / grid monitoring</li> <li>Creverse polarity protection /AC shor circuit current capability / galvanically isolated</li> <li>() () () () () () () () () () () () () (</li></ul>	Max. efficiency / European Efficiency	97.0% / 96.4%	97.0% / 96.5%	97.0% / 96.5%	97.0% / 96.5%
Ground fault monitoring / grid monitoring <ul> <li>/ • / • / •</li> <li>Creverse polarity protection / AC short circuit current copability / gokanically isolated</li> <li>All-pole-sensitive residual-current monitoring unit</li> <li>• / • / • / -</li> <li>All-pole-sensitive residual-current monitoring unit</li> <li>• / • / • / -</li> <li>Consensition (Society of Consensition)</li> <li>Consensition (W / H / D)</li> <li>435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)</li> <li>Meigh</li> <li>Consensition, typical</li> <li>Consensition, typical</li> <li>Consensition, typical</li> <li>Consensition (Society of Consensition)</li> <li>Consensition (AC connection)</li> <li>Connection / AC connection</li> <li>Consensition (AC connection)</li> <li>Consensition (Society of Consensition)</li> <li>Consensition (Society of Consensition)</li> <li>Consensition (AC connection)</li> <li>Consensition (AC connection)</li> <li>Connection / AC connection</li> <li>Consensition (AC connection)</li> <li>Consensition (Society of Consensition)</li> <li>Consection / AC connection</li> <li>Consection / AC connection</li> <li>Consection / AC connection</li> <li>Con</li></ul>	Protective devices				
DC reverse polarity protection /AC short circuit current capability / galvanically isolated All-polesensitive residual-current monitoring unit Protection class (as per IEC 62103) / overvoltage category (according to IEC 60664.1) General data Dimensions (W /H / D) Weight Operating temperature range Depreting temperature range Depreting temperature range Cooling method Self-consumption (at night) Topology Cooling method Degree of protection (as per IEC 60529) Climatic category (as per IEC 60529) Climatic category (as per IEC 60529) Climatic category (as per IEC 60529) Connection /AC connection Degree of protection (as per IEC 60529) Climatic category (as martification) Equipment DC connection /AC connection Display via smartphone, tablet, laptop Interfaces: WLAN, Speedwire / Webconnect Warranty: 5 / 10 / 15 years Certificates and approvals (mone available upon request) Standard features O Optional features – Not available Data at nominal conditions Status: May 2017 1/ III 4600 // 4600 VA doccoding values // AL At At 777; 21.7A	Input-side disconnection point				
All-pole-sensitive residual-current monitoring unit Protection class (as per IEC 62103) / overvoltage category (according to IEC 60664-1) General data Dimensions (W / H / D) Weight Diperating temperature range Noise emission, typical Self-consumption (at night) Transformerless Cooling method Degree of protection (as per IEC 60529) Climatic category (as per IEC 60721-3-4) Bay connection Display via smartphone, tablet, laptop Interfaces: WLAN, Speedwire / Webconnect Warranty: 5 / 10 / 15 years Certificates and approvals (planned) Certificates	Ground fault monitoring / grid monitoring	• / •			
Protection class (as per IEC 62103) / overoltage category (according to       I / III         EC 60664.1)       Convertion         Dimensions (W / H / D)       435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)         Weight       -25°C to +60°C (-13°F to +140°F)         Operating temperature range       -25°C to +60°C (-13°F to +140°F)         Noise emission, typical       25 dB(A)         Self-consumption (at night)       1.0 W         Topology       Convection         Degree of protection (as per IEC 60529)       IP65         Climatic category (as per IEC 60721-3.4)       4K4H         Max, permissible value for relative humidity (non-condensing)       100%         Equipment       E         DC connection       SUNCLIX / AC connector         Display via smartphone, tablet, laptop <ul> <li>(-0)</li> <li>(-0)</li> <li>(-11)</li> <li>(-0)</li> <li>(-0)</li> <li>(-0)</li> <li>(-0)</li> <li>(-0)</li> <li>(-0)</li> <li>(-11)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-12)</li> <li>(-13)</li> <li>(-10)</li> <li>(-10)<td>DC reverse polarity protection / AC short circuit current capability / galvanically isolated</td><td colspan="4">•/•/-</td></li></ul>	DC reverse polarity protection / AC short circuit current capability / galvanically isolated	•/•/-			
IEC 60664-1)       I/ III         General data       435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)         Weight       10 kg (35.3 lb)         Operating temperature range       -25°C to +60°C (-13°F to +140°F)         Noise emission, typical       25 dB(A)         Self-consumption (at right)       1.0 W         Topology       Transformerless         Cooling method       Convection         Degree of protection (as per IEC 60529)       IP65         Climatic category (as per IEC 60721-3:4)       4K4H         Max. permissible value for relative humidity (non-condensing)       100%         Equipment       9         DC connection / AC connection       SUNCUX / AC connector         Display via smartphone, tablet, laptop       •         Interfaces: WLAN, Speedwire / Webconnect       • / o / 0         Warranty: 5 / 10 / 15 years       • / o / 0         Certificates and approvals (planned)       IEC 4772, NRS 0972-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features 0 Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features 0 Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features 0 Optional features – Not	All-pole-sensitive residual-current monitoring unit	•			
Dimensions (W / H / D)     435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)       Weight     16 kg (35.3 lb)       Operating temperature range     -25° C to +60°° C (-13° F to +140° F)       Noise emission, typical     25 dB(A)       Self-consumption (at night)     1.0 W       Topology     Transformerless       Cooling method     Convection       Degree of protection (as per IEC 60529)     IP65       Climatic category (as per IEC 6072.1.3.4)     4K4H       Max. permissible value for relative humidity (non-condensing)     100%       Equipment		1/11			
Weight       16 kg (35.3 lb)         Operating temperature range       -25°C to +60°C (-13°F to +140°F)         Noise emission, typical       25 dB(A)         Self-consumption (at night)       1.0 W         Topology       10.0 W         Cooling method       Convection         Degree of protection (as per IEC 60529)       IP65         Climatic category (as per IEC 60721-3-4)       4K4H         Max. permissible value for relative humidity (non-condensing)       100%         Equipment       000%         DC connection / AC connection       SUNCLIX / AC connector         Display via smartphone, tablet, laptop <ul> <li>(A 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210</li>        Notertificates and approvals (more available upon request)       A 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210         Certificates and approvals (planned)       IEC 61727, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features © Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features © Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features © Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Data at</ul>					
Operating temperature range       -25°C to +60°C (-13°F to +140°F)         Noise emission, typical       25 dB(A)         Self-consumption (at night)       1.0 W         Topology       Transformerless         Cooling method       Convection         Degree of protection (as per IEC 60529)       IP65         Climatic category (as per IEC 60721-3-4)       4K4H         Max. permissible value for relative humidity (non-condensing)       100%         Equipment       SUNCLIX / AC connection         Display via smartphone, tablet, laptop       •/•         Interfaces: WLAN, Speedwire / Webconnect       •/o / o         Warranty: 5 / 10 / 15 years       6/0 / 0         Certificates and approvals (planned)       IEC 61727, NRS 0973, G83/2, DIN EN 62109 / IEC 62102         Certificates and approvals (planned)       IEC 61727, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features of Optional features - Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features of Optional features - Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features of Optional features - Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Standard features of VDE-ARN 41005       2/3 AY777: 21.7 A	Dimensions (W / H / D)	435 mm / 470 mm / 176 mm (17.1 inches / 18.5 inches / 6.9 inches)			
Noise emission, typical     25 dB(A)       SelFconsumption (at night)     1.0 W       Topology     Transformerless       Cooling method     Convection       Degree of protection (as per IEC 60529)     IP65       Climatic category (as per IEC 60721-3-4)     4K4H       Max. permissible value for relative humidity (non-condensing)     100%       Equipment     100%       DC connection / AC connection     SUNCLIX / AC connector       Display via smartphone, tablet, laptop     •       Interfaces: WLAN, Speedwire / Webconnect     • / • / •       Warranty: 5 / 10 / 15 years     • / • / • / • / •       Certificates and approvals (more available upon request)     AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210       Certificates and approvals (planned)     IEC 61727, NRS 097-2-1       Country availability of SMA Smart Connected     AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK       • Standard features • Optional features – Not available     AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK       • Standard features • Optional features – Not available     AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK       • Standard features • Optional features – Not available     AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK       • J 4600 WA according to VDE-ARN 4105     2017       • J 4600 WA according to VDE-ARN 4105     2017       • J 4600 WA according to VDE-ARN 4105	Weight		16 kg (	35.3 lb)	
Selfconsumption (at night)       1.0 W         Topology       Transformerless         Cooling method       Convection         Degree of protection (as per IEC 60529)       IP65         Climatic category (as per IEC 60721-3-4)       4K4H         Max. permissible value for relative humidity (non-condensing)       4K4H         Equipment       5         DC connection / AC connection       SUNCLIX / AC connector         Display via smartphone, tablet, laptop       0         Interfaces: WLAN, Speedwire / Webconnect       0         Warranty: 5 / 10 / 15 years       0 / 0 / 0         Certificates and approvals (more available upon request)       AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210         NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 20       IEC 61727, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         Varanty: 4600 WA according to VDE-AR-N 4105       2017         1) 4600 W / 4600 VA according to VDE-AR-N 4105       2017         1) 4600 W / 4600 VA according to VDE-AR-N 4105       2017         1) 4600 W / 4600 VA according to VDE-AR-N 4105       2017         1) 4600 W / 4600 VA according to VDE-AR-N 4105       2017         1) 4600 W / 4600 VA according to VDE-AR-N 4105       2017	Operating temperature range	-25°C to +60°C (-13°F to +140°F)			
TopologyTransformerlessCooling methodConvectionDegree of protection (as per IEC 60529)IP65Climatic category (as per IEC 60721-3-4)AK4HMax. permissible value for relative humidity (non-condensing)100%EquipmentSUNCLIX / AC connectorDC connection / AC connectionSUNCLIX / AC connectorDisplay via smartphone, tablet, laptop•Interfaces: WLAN, Speedwire / Webconnect•/ •/ •Warranty: 5 / 10 / 15 years• / • / •Certificates and approvals (more available upon request)AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210 NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 20Certificates and approvals (planned)IEC 61727, NRS 097-2-1Country availability of SMA Smart ConnectedAU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK• Standard features • Optional features - Not available Data at nominal conditions Status: May 2017 1) 4600 W / 4600 VA according to VDE-AR-N 4105 2) AS 4777; 21.7 A•	Noise emission, typical		25 c	B(A)	
Cooling methodConvectionDegree of protection (as per IEC 60529)IP65Climatic category (as per IEC 60721-3-4)4K4HMax. permissible value for relative humidity (non-condensing)100%EquipmentEquipmentDC connection / AC connectionSUNCLIX / AC connectorDisplay via smartphone, tablet, laptop•Interfaces: WLAN, Speedwire / Webconnect•Warranty: 5 / 10 / 15 years• / • / •Certificates and approvals (more available upon request)AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210Certificates and approvals (planned)IEC 61727, NRS 097-2-1Country availability of SMA Smart ConnectedAU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK• Standard features • Optional features - Not availableAU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK• Standard features • VDE-AR:N 41052/ AS 4777: 21.7 A	Self-consumption (at night)	1.0 W			
Degree of protection (as per IEC 60529)       IP65         Climatic category (as per IEC 60721-3-4)       4K4H         Max. permissible value for relative humidity (non-condensing)       100%         Equipment       0         DC connection / AC connection       SUNCLIX / AC connector         Display via smartphone, tablet, laptop       0         Interfaces: WLAN, Speedwire / Webconnect       0         Warranty: 5 / 10 / 15 years       0 / 0 / 0         Certificates and approvals (more available upon request)       AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 6210         NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105       NEN-EN50438, RD1699, SI 4777, UTE C15-721, VDE-AR-N 4105, VDE0126-1-1, VFR 20         Certificates and approvals (planned)       IEC 617227, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features Optional features – Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK	Topology		Transfo	rmerless	
Climatic category (as per IEC 60721-3-4) Max. permissible value for relative humidity (non-condensing) Equipment DC connection / AC connection Display via smartphone, tablet, laptop Interfaces: WLAN, Speedwire / Webconnect Warranty: 5 / 10 / 15 years Certificates and approvals (more available upon request) Certificates and approvals (more available upon request) Certificates and approvals (planned) Certificates appro	Cooling method				
Max. permissible value for relative humidity (non-condensing)       100%         Equipment       DC connection       SUNCLIX / AC connector         Display via smartphone, tablet, laptop       •       •         Interfaces: WLAN, Speedwire / Webconnect       •/•       •         Warranty: 5 / 10 / 15 years       •/•       •/•         Certificates and approvals (more available upon request)       AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62109         Certificates and approvals (planned)       IEC 61727, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features • Optional features - Not available       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features • Optional features - Not available       •         Data at nominal conditions Status: May 2017       1) 4600 W / 4600 VA according to VDE-AR:N 4105         1 4600 W / 4600 VA according to VDE-AR:N 4105       •         2 AS 4777; 21.7 A       •	Degree of protection (as per IEC 60529)	IP65			
Equipment         DC connection / AC connection         Display via smartphone, tablet, laptop         Interfaces: WLAN, Speedwire / Webconnect         Warranty: 5 / 10 / 15 years         Certificates and approvals (more available upon request)         AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62109         NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 20         Certificates and approvals (planned)         Certificates and approvals (planned)         Certificates on diportals features on provals (planned)         Standard features on provals (planned)         Standard features on provals (planned)         Outry availability of SMA Smart Connected         AUU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features on Optional features - Not available         Data at nominal conditions Status: May 2017         1) 4600 W / 4600 VA according to VDE-AR:N 4105         2) AS 4777; 21.7 A	Climatic category (as per IEC 60721-3-4)		4K	(4H	
DC connection / AC connection       SUNCLIX / AC connector         Display via smartphone, tablet, laptop       •         Interfaces: WLAN, Speedwire / Webconnect       •/•         Warranty: 5 / 10 / 15 years       •/ 0 / 0         Certificates and approvals (more available upon request)       AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62109         Certificates and approvals (planned)       IEC 61727, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features o Optional features - Not available       Not available         Data at nominal conditions Status: May 2017       1) 4600 W/ 4600 VA according to VDE-AR:N 4105         2 / AS 4777; 21.7 A       VDE-AR:N 4105	Max. permissible value for relative humidity (non-condensing)		10	0%	
Display via smartphone, tablet, laptop <ul> <li>Interfaces: WLAN, Speedwire / Webconnect</li> <li>Varranty: 5 / 10 / 15 years</li> <li>Certificates and approvals (more available upon request)</li> <li>AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62109</li> <li>NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 20</li> <li>Certificates and approvals (planned)</li> <li>IEC 61727, NRS 097-2-1</li> <li>Country availability of SMA Smart Connected</li> <li>Standard features O Optional features – Not available</li> <li>Data at nominal conditions Status: May 2017</li> <li>A600 W / 4600 VA according to VDE-AR-N 4105</li> <li>AS 4777; 21.7 A</li> </ul>	Equipment				
Interfaces: WLAN, Speedwire / Webconnect <ul> <li>() •</li> <li>() · () ·</li> </ul> Warranty: 5 / 10 / 15 years <ul> <li>() · () ·</li> </ul> Certificates and approvals (more available upon request)         AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62109 <li>() NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 200</li> Certificates and approvals (planned)         IEC 61727, NRS 097-2-1           Country availability of SMA Smart Connected         AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK           • Standard features • Optional features - Not available         Data at nominal conditions Status: May 2017           1) 4600 W / 4600 VA according to VDE-AR:N 4105           2) AS 4777; 21.7 A         A	DC connection / AC connection	SUNCLIX / AC connector			
Warranty: 5 / 10 / 15 years <ul> <li>() ~ () ~</li> <li>() ~ () ~</li> </ul> Certificates and approvals (more available upon request)         AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62109           Certificates and approvals (planned)         NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 20           Certificates and approvals (planned)         IEC 61727, NRS 097-2-1           Country availability of SMA Smart Connected         AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK           • Standard features • Optional features - Not available         Data at nominal conditions Status: May 2017           1) 4600 W / 4600 VA according to VDE-AR:N 4105         2/AS 4777; 21.7 A           Country availability of VDE-AR:N 4105         2/AS 4777; 21.7 A	Display via smartphone, tablet, laptop	•			
Certificates and approvals (more available upon request) Certificates and approvals (planned) Certificates and approvals (planned) Certificates and approvals (planned) Country availability of SMA Smart Connected • Standard features • Optional features - Not available Data at nominal conditions Status: May 2017 1) 4600 W / 4600 VA according to VDE-AR:N 4105 2) AS 4777; 21.7 A AS 4777, C10/11, CE, CEI 0-21, EN 50438, G59/3, G83/2, DIN EN 62109 / IEC 62102 NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR:N 4105, VDE0126-1-1, VFR 20 IEC 61727, NRS 097-2-1 AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK	Interfaces: WLAN, Speedwire / Webconnect	• / •			
Certificates and approvals (planned)       NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 20         Certificates and approvals (planned)       IEC 61727, NRS 097-2-1         Country availability of SMA Smart Connected       AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK         • Standard features       • Not available         Data at nominal conditions       Status: May 2017         1) 4600 W / 4600 VA according to VDE-AR-N 4105         2) AS 4777; 21.7 A	Warranty: 5 / 10 / 15 years	•/0/0			
Country availability of SMA Smart Connected AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK    Standard features Optional features – Not available Data at nominal conditions Status: May 2017  1) 4600 W / 4600 VA according to VDE-AR-N 4105 2) AS 4777: 21.7 A		NEN-EN50438, RD1699, SI 4777, UTE C15-712, VDE-AR-N 4105, VDE0126-1-1, VFR 2014			
<ul> <li>Standard features Optional features – Not available</li> <li>Data at nominal conditions Status: May 2017</li> <li>1) 4600 W / 4600 VA according to VDE-AR-N 4105</li> <li>2) AS 4777: 21.7 A</li> </ul>		IEC 61727, NRS 097-2-1			
Data at nominal conditions Status: May 2017 1) 4600 W / 4600 VA according to VDE-AR-N 4105 2) AS 4777: 21.7 A	Country availability of SMA Smart Connected		AU, AT, BE, CH, DE,	es, fr, it, lu, nl, uk	
	Data at nominal conditions Status: May 2017 1) 4600 W / 4600 VA according to VDE-AR-N 4105				
		SB3.0-1AV-40	SB3.6-1AV-40	SB4.0-1AV-40	SB5.0-1AV-40



#### **BASIC SYSTEM functions**

- Easy commissioning via integrated WLAN and Speedwire interface
- Maximum transparency thanks to visualization in the Sunny Portal / Sunny Places
- Safe investment through SMA Smart Connected
- Modbus as interface for third-party providers

#### **EXPANDED SYSTEM functions**

- Basic system functions
- Reduction in purchased electricity and increase in self-consumption through use of stored solar energy
- Maximum energy use thanks to forecast-based charging
- Increased self-consumption thanks to intelligent load control
- Maximum system yield through Smart module technology

With SMA Energy Meter\*2

- Maximum system usage through dynamic limiting of feed-in to the grid between 0% and 100%
- Visualization of energy consumption

 $^{\ast}$  1) via SMA radio-controlled socket or standardized data communication  $^{\ast}$  2) from FW version 1.03.03

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## **SMA Solar Technology**