

# STK SERIES

## THREE PHASE STRING INVERTER

SKT100-S

SKT110-S

Enabling seamless integration of inverters with  
the grid and renewable energy sources.



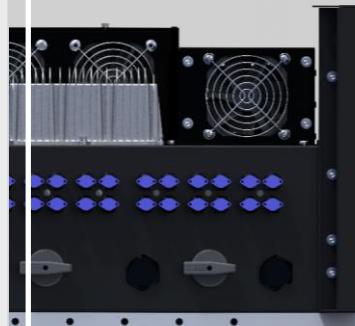
Power.  
Control.  
Future.

# Powering a greener, smarter future

## System Expansion



## Multi MPPT



## Intelligent Monitoring



**Energy,  
made  
easy**

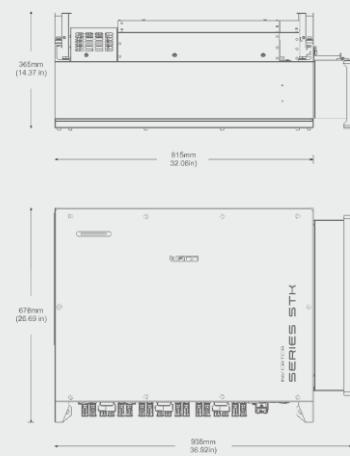
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## INVERTERS

WECO

### Specifications

| Parameter                                   | SKT100-S    | SKT110-S  |
|---|-------------|---|
| Max. Efficiency                             | 98.5%       | 98.6%   |
| European Efficiency                         | 98.0%       | 98.2%   |
| Max. Input Voltage                          |             | 1100V   |
| Max. PV Configuration                       |             | 150%  |
| Rated Input Voltage                         |             | 620V  |
| Max. Input Current                          | 5*32A/3*40A | 6*32A/3*40A   |
| Max. Short Circuit Current                  | 5*45A/3*50A | 6*45A/3*50A   |
| Start Input Voltage/ Min. Operating Voltage |             | 250V/200V   |
| MPPT Operating Voltage Range                |             | 200V-1000V  |
| Max. Number of PV Strings                   | 8*2         | 9*2   |
| No. of MPPTs                                | 8           | 9   |
| Rated AC Active Power                       | 100,000W    | 110,000W  |
| Max. AC Apparent Power                      | 111,000VA   | 123,000VA   |
| Max. AC Output Current                      | 3*168.8A    | 3*187A  |
| Rated AC Voltage                            |             | 300V/400V, 3W+N+PE  |
| AC Voltage Range*                           |             | 320V-520V (Adjustable)  |
| Rated Grid Frequency                        |             | 50Hz/60Hz   |
| Grid Frequency Range**                      |             | 45Hz-55Hz/55Hz-65Hz (Adjustable)  |
| THDI  |             | <3% (Rated Power)   |
| DC Current Injection                        |             | <0.5%In   |
| Power Factor                                |             | >0.99 Rated power (Adjustable 0.8 LD – 0.8 LG)  |
| DC Switch                                   |             | Yes   |
| Anti-islanding Protection                   |             | Yes   |
| AC Overcurrent Protection                   |             | Yes   |
| AC Short Circuit Protection                 |             | Yes   |
| DC Reverse Connection                       |             | Yes   |
| Surge Arrester                              |             | DC Type II/AC Type II   |
| Insulation Detection                        |             | Yes   |
| Leakage Current Protection                  |             | Yes   |
| AFCI  |             | Optional  |
| PID Recovery                                |             | Optional  |
| PV String Monitoring                        |             | Yes   |
| Night Load Consumption Monitoring           |             | Optional  |
| Topology                                    |             | Transformerless   |
| IP Rating                                   |             | IP66  |
| Night Self Consumption                      |             | <10W (Standard)   |
| Cooling                                     |             | Fan cooling   |
| Operating Temperature Range                 |             | -25°C-60°C  |
| Relative Humidity Range                     |             | 0-100%  |
| Max. Operating Altitude                     |             | 4000m   |
| Dimensions (W*H*D)                          |             | 936mm*678mm*365mm   |
| Weight                                      | 91.5kg      | 92kg  |
| Display                                     |             | Wireless & APP+LED, LCD (Optional)  |
| Communication                               |             | RS485, Optional: WiFi/GPRS/4G/LAN   |
| Safety Certification                        |             | IEC 62109-1, IEC 62109-2  |
| Grid Code Certification                     |             | EN 50549-1/-2, IEC 61727/62116, VDE-AR-N 4105, CEI 0-21/16, UNE 206006/206007-1, UNE 217001 |
| Warranty                                    |             | 5 Years   |



The above-mentioned temperatures are limited to the BMS ranges, such values may not be covered by the performance warranty. We recommend contacting WeCo for the most up-to-date datasheet, read warranty and manual before making any purchasing decisions.

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wecobatteries.com

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ENERGY STORAGE INVERTER 100S – 110S



IP 66 Certified



Mobile App



WiFi / Bluetooth



Guarantee

Designed to brave the elements, with its IP66 rating, it's dust-tight and water-resistant, ensuring peak performance in any outdoor scenario.

Connects with the WeCo mobile app, enabling real-time monitoring of performance and energy usage

Enables effortless wireless communication and remote monitoring, enhancing convenience and flexibility in operation.

Comes with a full 5-year guarantee, ensuring long-lasting performance and reliability for ultimate peace of mind.

**WeCo**

WeCo Srl a Socio Unico  
Viale J. F. Kennedy 113-121  
50038 Scarperia e San Piero  
Firenze, Italy

weco@wecobatteries.com  
www.wecobatteries.com

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