

# CPS SCA110KTL-DO/EU

Chint Power String Inverter

High Return of the Whole Life Cycle



## Low Investment

Three-phase string series inverters products providing standard configuration DC switch, integrated DC combiner box, optional Wi-Fi/4G/PLC/RS485 communication, which can match the requirements of different customers, support 10% rated overload which can efficiently decrease initial investment of system.

## High Profits

High DC/AC ratio up to 1.5; Three-phase string inverters can provide 99.4% maximum efficiency, 98.0% Euro efficiency, 99.5% MPPT efficiency, advanced topology design and international known device options, which can guarantee the profits of the Whole Life Cycle.

## Maintenance Warranty

String inverter can support remote monitoring, fault diagnosis and software upgrade, 7\*24H after-sales service can guarantee the maintenance of the Whole Life Cycle.

| Model Name                             | CPS SCA110KTL-DO/EU                                        | CPS SCA110KTL-DO/EU2 |
|----------------------------------------|------------------------------------------------------------|----------------------|
| <b>DC Input</b>                        |                                                            |                      |
| Max. DC Voltage                        | 1100Vdc                                                    |                      |
| MPPT Operating Voltage Range           | 200-1000Vdc                                                |                      |
| Start Voltage/Power                    | 300Vdc/100W                                                |                      |
| Rated DC Voltage                       | 615Vdc                                                     |                      |
| Number of MPPT                         | 9                                                          | 12                   |
| Number of DC Connection Sets per MPPT  | 2                                                          | 1                    |
| Max. DC input current                  | 26A*9                                                      | 26A*12               |
| Max. DC short-circuit current per MPPT | 40A                                                        |                      |
| DC Disconnection Type                  | Integrated Switch                                          |                      |
| <b>AC Output</b>                       |                                                            |                      |
| Rated AC Power                         | 100kW                                                      |                      |
| Max. AC Power                          | 110kVA                                                     |                      |
| Rated AC Voltage                       | 380V, 400V                                                 |                      |
| AC Voltage Range*                      | 322~528Vac                                                 |                      |
| Grid Connection Type                   | 3Φ / PE                                                    |                      |
| Max. AC Current                        | 160A                                                       |                      |
| Rated Frequency                        | 50/60Hz                                                    |                      |
| Grid Frequency Range*                  | 47-53/57-63Hz                                              |                      |
| Power Factor (cosφ)                    | ±0.8 (adjustable)                                          |                      |
| Current THD                            | < 3%                                                       |                      |
| AC Disconnection Type                  | -                                                          |                      |
| <b>System Data</b>                     |                                                            |                      |
| Topology                               | Transformerless                                            |                      |
| Max. Efficiency                        | 98.4%                                                      |                      |
| Euro Efficiency                        | 98.0%                                                      |                      |
| Consumption at Standby/Night           | < 30W / < 6W                                               |                      |
| <b>Protection</b>                      |                                                            |                      |
| DC reverse connection protection       | Yes                                                        |                      |
| AC short circuit protection            | Yes                                                        |                      |
| Leakage current protection             | Yes                                                        |                      |
| Grid monitoring                        | Yes                                                        |                      |
| Ground fault monitoring                | Yes                                                        |                      |
| Surge Protection                       | DC Type II / AC Type II                                    |                      |
| <b>Environment Data</b>                |                                                            |                      |
| Ingress Protection                     | IP66                                                       |                      |
| Cooling Method                         | Cooling Fans                                               |                      |
| Operating Temperature Range            | -30°C - +60°C                                              |                      |
| Ambient Humidity                       | 0 - 100%                                                   |                      |
| Altitude                               | 4000m                                                      |                      |
| <b>Display and Communication</b>       |                                                            |                      |
| Display                                | LED+ APP                                                   |                      |
| Communication                          | RS485(Standard) / Wi-Fi & 4G / PLC (Optional)              |                      |
| <b>Mechanical Data</b>                 |                                                            |                      |
| Dimensions (W*H*D)                     | 1050 * 660* 340mm                                          |                      |
| Weight                                 | 86kg                                                       |                      |
| DC Connection Type                     | MC4                                                        |                      |
| AC Connection Type                     | OT/DT Terminal                                             |                      |
| <b>Safety</b>                          |                                                            |                      |
| Certifications                         | IEC61000-6,IEC/EN 62109,IEC61727/62116/61683/60068,EN50549 |                      |

\* "Output Voltage Range" and "Output Frequency Range" may be differ according to specific grid codes.