

SCA30/36K-T-EU

Three-Phase String Inverter

30/36kW • 3/4 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 3/4 MPPTs with Max. Efficiency 98.73%
- Easily compatible with various PV modules based on max. input current 15A per string
- AFCL function standard
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

Smart

Pragmatic option

- Communication interfaces [RS485/ Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter

Safety

Solid quality

- Durable and robust component
- IP66 & C5 protection
- Type II SPD for both DC and AC

Model Name	SCA30K-T-EU		SCA36K-T-EU
DC Input			
Max. DC Voltage	1100Vdc		
MPPT Operating Voltage Range	200 - 1000Vdc		
Start Voltage	250Vdc		
Rated DC Voltage	615Vdc		
Number of MPPT	3		4
Number of DC Connection Sets per MPPT	2		2
Max. input current per MPPT	30A		
Max. DC short-circuit current per MPPT	45A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	30kW		36kW
Max. AC Power	33kVA		39.6kVA
Rated AC Voltage	380 / 400V		
AC Voltage Range ¹	277 - 520V		
Grid Connection Type	3 / N / PE		
Max. AC Current	50A		60A
Grid Frequency	50 / 60Hz		
Grid Frequency Range ¹	45-55 / 55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
System Data			
Topology	Transformerless		
Max. Efficiency	98.15%		98.73%
Euro Efficiency	97.91%		98.05%
Protection			
DC reverse connection protection	Yes		
AC short circuit protection	Yes		
Leakage current protection	Yes		
24h Grid monitoring	Yes		
Ground fault monitoring	Yes		
Surge Protection	DC Type II / AC Type II		
AFCI	Yes		
Environment Data			
Ingress Protection	IP66		
Cooling Method	Cooling Fans		
Operating Temperature	-25° C to +60° C		
Ambient Humidity	0 - 100%		
Altitude	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	RS485 / Wi-Fi (Standard) & 4G (Optional)		
Mechanical Data			
Dimensions (W*H*D)	684 * 488 * 269mm		
Weight	37kg		37.5kg
DC Connection Type	MC4 (Max. 6 mm ²)		
AC Connection Type	OT/DT Terminal (Max.35 mm ²)		
Safety			
Certifications ²	IEC/EN 61000, IEC/EN 62109, IEC 61727, IEC 62116, IEC 63027, IEC 61683, RD 413, IEC/EN 62920, EN 55011, C10/11, CEI 0-21, EN50549-1/2, NC RfG, PTPiREE, NTS V2.1, RD 647, RD413, RD 1699, UNE 217002, UTE C15-712-1, DIN VDE 0126-1-1, VDE-AR-N 4105, DIN VDE V 0124, TOR Erzeuger Typ A/B		

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.

² The certificates are for reference only.Please consult the local sales staff for detailed certification.

³ For reference only. Chint Power reserve the right to alterations for the data above.

^{*1} "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.
^{*2} The certificates are for reference only.Please consult the local sales staff for detailed certification.
^{*3} For reference only. Chint Power reserve the right to alterations for the data above.