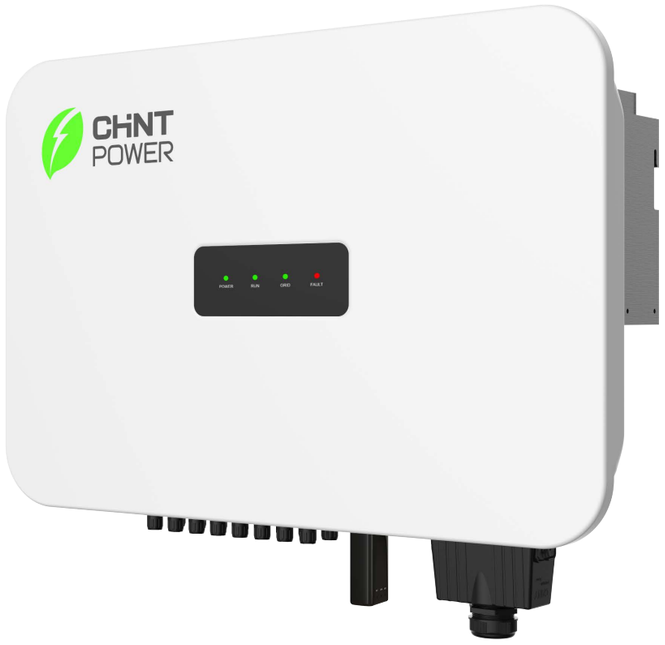
SCA30/36K-T-EU

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
- AFCI 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

Safe

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 mm²)	
AC Connection Type	OT/DT Terminal (Max.35 mm²)	
Safety		
Certifications[2]	IEC/EN 61000, IEC/EN 62109, IEC 61727, IEC 62116, IEC 63027, IEC 61683, IEC/EN 62920, EN 55011, C10/11, CEI 0-21, EN50549-1/2, NC RfG, PTPiREE, NTS V2.1, RD 647, RD 413, 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.