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Create A Sustainable Future

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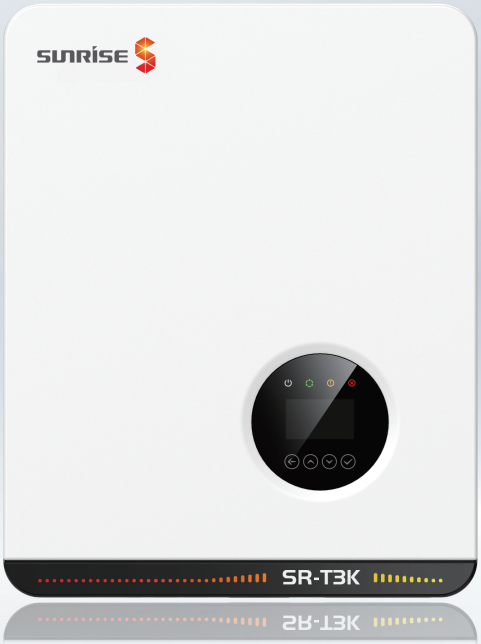
Three Phase Series

Three Phase / On-grid / 3–10 kW



Max. PV Voltage up to 1100 V
Type II DC / AC SPD

DC / AC Ratio up to 2
IP66 Protection

Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional

High Efficiency up to 98.6%
Smaller and Lighter

MODEL	SR-T3K	SR-T5K	SR-T10K
Input(DC)			
Max. DC Voltage	1100 V		
Nominal Voltage	650 V		
Start Voltage[1)]	250 V		
MPPT Voltage Range	140 V ~ 1000 V		
Number of MPPT	2		
Strings Per MPPT	1		
Max. Input Current Per MPPT	15 A		
Max. Short-circuit Current Per MPPT	20 A		
Output(AC)			
Nominal AC Output Power	3000 W	5000 W	10000 W
Maximum AC Output Power	3300 W	5500 W	11000 W [2)]
Nominal AC Voltage	400V 3L+N		
AC Grid Frequency Range	50 / 60Hz (±5Hz)		
Maximum Output Current	4.8 A	8.0 A	16.0A[2)]
Power Factor(Φ)	0.8 leading - 0.8 lagging		
THDi	3%		
Efficiency			
Max. Efficiency	98.4%	98.4%	98.6%
Euro Efficiency	97.5%	97.5%	98.1%
Protection devices			
DC Switch	Yes		
Output Over Current Protection	Yes		
Anti-islanding Protection	Yes		
DC Reverse Polarity Protection	Yes		
String Fault Detection	Yes		
DC / AC Surge Protection	DC: Type II / AC: Type III / Type II Optional		
Insulation Detection	Yes		
AC Short Circuit Protection	Yes		
General Specifications			
Dimensions W x H x D	380 x 483 x 161 mm		
Weight	< 17 kg		
Operating Temperature Range	–25°C ~+ 60°C		
Cooling Type	Natural cooling		
Topology	Transformer - less		
Display	LCD		
Max. Operating Altitude	4000m		
Max. Operating Humidity	0 - 100% (No condensation)		
AC Output Terminal Type	Connector		
IP Class	IP66		
Communication	RS-485 / Wifi / 4G		
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN6 1000-6-4; IEC 61683; IEC 60068; IEC 60529;IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G98/G99; C10/11; NB/T 32004-2018; GB/T 19964-2012		

1) Minimum voltage for inverter to start power output.

2) According to the C10/11 of Synergrid, the maximum AC output power is 10 kVA and therefore the maximum AC output current is 14.5A.

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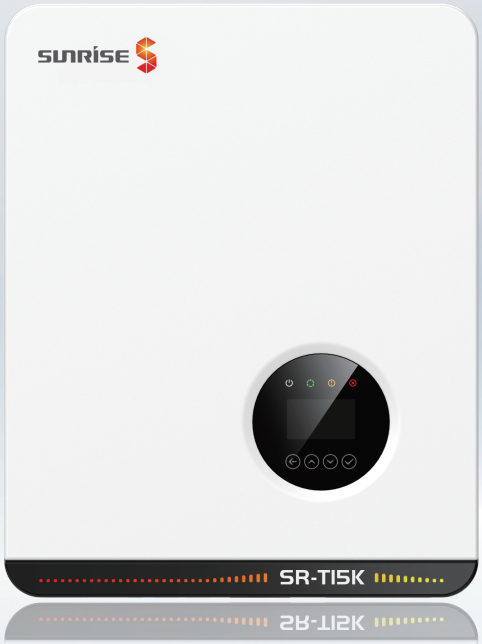
Three Phase Series

Three Phase / On-grid / 15–25 kW



MODEL	SR-T15K	SR-T20K	SR-T25K
Input(DC)			
Max. DC Voltage	1100 V		
Nominal Voltage	650 V		
Start Voltage	250 V		
MPPT Voltage Range	140 V ~ 1000 V		
Number of MPPT	2		
Strings Per MPPT	2 / 1	2	2
Max. Input Current Per MPPT	30 A / 15 A	30 A	30 A
Max. Short-circuit Current Per MPPT	40 A / 20 A	40 A	40 A
Output(AC)			
Nominal AC Output Power	15000 W	20000 W	25000 W
Maximum AC Output Power	16500 W	22000 W	27500 W
Nominal AC Voltage	400V 3L+N		
AC Grid Frequency Range	50 / 60Hz (±5Hz)		
Maximum Output Current	23.9 A	31.9 A	39.9 A
Power Factor(Φ)	0.8 leading - 0.8 lagging		
THDi	3%		
Efficiency			
Max. Efficiency	98.6%		
Euro Efficiency	98.2%	98.3%	98.3%
Protection devices			
DC Switch	Yes		
Output Over Current Protection	Yes		
Anti-islanding Protection	Yes		
DC Reverse Polarity Protection	Yes		
String Fault Detection	Yes		
DC / AC Surge Protection	DC: Type II / AC: Type III / Type II Optional		
Insulation Detection	Yes		
AC Short Circuit Protection	Yes		
General Specifications			
Dimensions W x H x D	380 x 483 x 193 mm		
Weight	20.7 kg		
Operating Temperature Range	-25°C ~+ 60°C		
Cooling Type	Fan Cooling		
Topology	Transformer - less		
Display	LCD		
Max. Operating Altitude	4000m		
Max. Operating Humidity	0 - 100% (No condensation)		
AC Output Terminal Type	Connector		
IP Class	IP66		
Communication	RS-485 / Wifi / 4G		
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN6 1000-6-4; IEC 61683; IEC 60068; IEC 60529;IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI 0-21; G99; C10/11; NB/T 32004-2018; GB/T 19964-2012		

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  Type II DC / AC SPD
- DC / AC Ratio up to 2
  IP66 Protection
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