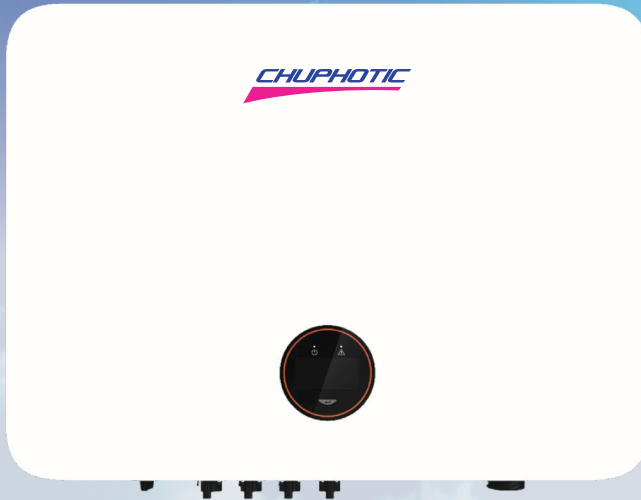


PV On-Grid Inverter 3Ph



STT 5 ~ 25kW

Three Phase | 2 MPPTs | On Grid

- MAX 98.6% EFFICIENCY
- IP65 PROTECTION



• SAFE & RELIABLE •

- High reliability due to good heat dissipation design
- Integrated lightning protection for both DC and AC
- Adapt to complex power grid
- High anti - corrosion ability with aluminum alloy die casting technology
- Wider working temperature and altitude, adapt to various installation environments



• HIGH YIELD •

- High yield with Max. 98.6% efficiency
- European weighted efficiency 98.2%
- Longer working hours due to the lower start-up voltage and wider MPPT range
- Up to 10% continuous output overloading capacity
- With a max input current of 15A, compatible with high - power panels



• EASY TO USE •

- Support wireless and wired internet connection (RS485, Wifi / GPRS / LAN optional)
- Remote upgrading available
- Fast and easy configuration via App or OLED display

specification

Model	STT-5KTL-P	STT-8KTL-P	STT-10KTL-P	STT-15KTL-P	STT-20KTL-P	STT-25KTL-P
PV Input						
Max. Input Power (W)	8000	12800	16000	24000	32000	40000
Start-up Voltage (V)	180	180	180	180	180	180
Min. DC Voltage (V)	150	150	150	150	150	150
Max. DC Input Voltage (V)	1100	1100	1100	1100	1100	1100
Rated DC Input Voltage (V)	620	620	620	620	620	620
MPPT Voltage Range (V)	160-1000	160-1000	160-1000	160-1000	160-1000	160-1000
Number of MPP Trackers	2	2	2	2	2	2
Number of DC Inputs per MPPT	1	1	1	1	2	2
Max. Input Current (A)	15/15	15/15	15/15	15/30	30/30	30/30
Max. Short - circuit Current (A)	20/20	20/20	20/20	20/40	40/40	40/40
Output						
Rated Output Power (W)	5000	8000	10000	15000	20000	25000
Max. Output Power (W)	5500	8800	11000	16500	22000	25000
Max. Apparent Power (VA)	5500	8800	11000	16500	22000	25000
Rated Output Voltage (V)	3L/N/PE, 230/400V					
Rated AC Frequency (Hz)	50/60Hz 45-55Hz/55-65Hz					
Max. Output Current (A)	8.4	13.3	16.5	25	31.9	39
Power Factor	0.8 leading...0.8 lagging					
Max. Total Harmonic Distortion	<3% @Rated Output Power					
DCI	< 0.5% In					
Efficiency						
Max. Efficiency	98.1%	98.3%	98.6%	98.6%	98.6%	98.6%
European Efficiency	97.9%	98.0%	98.2%	98.2%	98.2%	98.2%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Protection						
DC Reverse Polarity Protection	Integrated					
Insulation Resistance Protection	Integrated					
DC Switch	optional					
Surge Protection	Integrated					
Over - temperature Protection	Integrated					
Residual Current Protection	Integrated					
Anti - islanding protection	Frequency shift, Integrated					
AC Short - circuit Protection	Integrated					
AC Over - voltage Protection	Integrated					
General Date						
Dimensions (mm)	550x410x175					
Weight (kg)	23			26	29	
Protection Degree	IP65					
Self - Consumption at night (W)	< 1					
Topology	Transformer less					
Operating Temperature Range (°C)	-30 ~60					
Relative Humidity (%)	0~100					
Operating Altitude (m)	4000 (derating@ > 3000)					
Cooling	Natural Convection				Smart Fan Cooling	
Noise Level (dB)	< 25				< 40	
Display	OLED & LED					
Communication	RS485, Wifi / GPRS / LAN (Optional)					
Compliance	NB / T32004, IEC62109, EN61000, AS / NZS 4777.2, AS60749.3, C10 /11, IEC61727, IEC62116, IEC60068, IEC61683, VDE4105, VDE0126, UTEC15-712-1, NRS 097-2-1, PEA, MEA, EN50549, PN 50549-1RD661, RD413, RD1699, UNE 217001, UNE 217002, RD647, NTS631,CEI 021, CEI 016, IS16221, IS16169, G98, G99					

*Product specification are subject to change without further notice.

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บริษัท ชูฟอทิก จำกัด

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