

98.6%

Max. Efficiency

15A

PV Input Current

180V

Start-up Voltage

Three-Phase

Residential

Commercial



SHEENPLUS OGT SERIES

THE POWER OPERATOR

6-25KW ON-GRID INVERTER

SP_STR-T_06K | SP_STR-T_08K | SP_STR-T_10K
SP_STR-T_15K | SP_STR-T_20K | SP_STR-T_25K



Optimal Power

- 98.6% Max. Efficiency
- 15A PV input current per string, 2-3 MPP trackers



Strong Load

- 180V Start-up Voltage, longer working hours with low start-up voltage



Convenient Installation & Operation

- Plug & Play terminals for easy wiring
- OLED display and App for setting and data management



Flexible Design & Use

- IP65 for indoor and outdoor installation
- Compact size and elegant appearance

THREE-PHASE

Model	SP_STR...	T_06K	T_08K	T_10K	T_15K	T_20K	T_25K
PV INPUT							
Start-up Voltage [V]		180	180	180	180	180	180
Max. DC Input Voltage* [V]		1100*	1100*	1100*	1100*	1100*	1100*
Rated DC Input Voltage [V]		620	620	620	620	620	620
Operating voltage range* [V]		160-950*	160-950*	160-950*	160-950*	160-950*	160-950*
No. of MPP Trackers		2	2; (3)	2; (3)	3	3	3
No. of DC Inputs per MPPT		1/1	1/1; (1/1/1)	1/1; (1/1/1)	1/1/2	1/1/2	1/1/2
Max. Input Current [A]		15/15	15/15; (15/15/15)	15/15; (15/15/15)	15/15/30	15/15/30	15/15/30
Max. Short-circuit Current [A]		20/20	20/20; (20/20/20)	20/20; (20/20/20)	20/20/40	20/20/40	20/20/40
GRID SIDE							
Rated Output Power [kW]		6.0	8.0	10.0	15.0	20.0	25.0
Max. Output apparent Power [kVA]		6.0	8.0	10.0	15.0	20.0	25.0
Rated AC Voltage		3L/N/PE; 220/380V; 230/400V; 240/415V					
Rated AC Frequency [Hz]		50/60					
Rated Output Current [A]		9.1/8.7/8.3	12.1/11.6/11.1	15.2/14.5/13.9	22.7/21.7/20.8	30.3/29.0/27.8	37.9/36.2/34.7
Max. Output Current [A]		9.1	12.1	15.2	22.7	30.3	37.9
Power Factor		0.8 leading ... 0.8 lagging					
Max. Total Harmonic Distortion		<3% @Rated output power					
DCI		<0.5%In					
EFFICIENCY							
Max. Efficiency		98.3%	98.3%	98.6%	98.6%	98.6%	98.6%
European Efficiency		98.0%	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					
Surge Protection		Integrated					
Over-temperature Protection		Integrated					
Residual Current Protection		Integrated					
Islanding Protection		Integrated (Frequency shift)					
AC Over-voltage Protection		Integrated					
Overload Protection		Integrated					
AC Short-circuit Protection		Integrated					
GENERAL DATA							
Over Voltage Category		PV: II Main: III					
Dimensions [W×H×D mm]		465×335×200					
Weight [KG]		19	19; (21)	21		23	
Protection Degree		IP65					
Self-Consumption at Night [W]		<1					
Topology		Transformerless					
Operating Temperature Range [°C]		-30~60					
Relative Humidity [%]		0~100					
Operating Altitude [m]		3000 (>3000m derating)					
Cooling		Natural Convection			Smart Fan		
Noise Level [dB]		<25			<40		
Display		OLED & LED					
Communication		RS485, WiFi/LAN/GPRS (Optional)					
Warranty		10 years					

* PV Max. Input voltage is 950V, otherwise inverter will be waiting;