

98,1%

Max. Efficiency

15A

PV Input Current

60V

Start-up Voltage

110%

AC Overloading

Single-Phase

2 MMPTs



SHEENPLUS OGS SERIES

THE POWER OPERATOR

3.6-6KW ON-GRID INVERTER

SP_STR-S_3.6 | SP_STR-S_06K



Optimal Power

- 98.1% Max. Efficiency
- 15A PV input current per string, 2 MPP trackers



Strong Load

- 110% continuous AC output overloading
- 60V 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

SINGLE-PHASE

Model	SP_STR-S_3.6K	SP_STR-S_06K
PV INPUT		
Start-up Voltage [V]	60	60
Max. DC Input Voltage* [V]	600*	600*
Rated DC Input Voltage [V]	360	360
MPPT Voltage Range* [V]	50-550*	50-550*
No. of MPP Trackers	2	2
No. of DC Inputs per MPPT	1/1	1/1
Max. Input Current [A]	15/15	15/15
Max. Short-circuit Current [A]	20/20	20/20
GRID SIDE		
Rated Output Power [kW]	3.60	6.00
Max. Output Power [kW]	3.96	6.00
Rated Output Apparent Power [kVA]	3.60	6.00
Max. Output Apparent Power [kVA]	3.96	6.00
Rated AC Voltage	L/N/PE; 220/230/240V	
Rated AC Frequency [Hz]	50/60	50/60
Rated Output Current [A]	15.70	26.10
Max. Output Current [A]	18.00	26.10
Power Factor	0.8 leading ... 0.8 lagging	
Max. Total Harmonic Distortion	<3% @Rated output power	
DCI	<0.5%In	<0.5%In
EFFICIENCY		
Max. Efficiency	98.1%	98.1%
European Efficiency	97.5%	97.5%
MPPT Efficiency	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	
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]	358×300×158	
Weight [KG]	9.8	
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	
Noise Level [dB]	<25	
Display	OLED & LED	
Communication	RS485, WiFi/LAN/GPRS (Optional)	
Warranty	10 years	

* PV Max. Input voltage is 550V, otherwise inverter will be waiting;