sheen_pure energy



SINGLE PHASE STORAGE INVERTER WITH TWO MPPT

6.000 W

6.600 W

6.600 VA

12.000² VA 6.000 W

28.7 A

8.800 VA

 $7.800\,^{\scriptscriptstyle 3}$, 60S VA

	i	
Model	SP_HYP-S_03K	SP_HYP-S_06K
PV Input Data		
Max. Recommended PV Power	3.900 Wp	7.800 Wp
Start-up Voltage	80 V	80 V
Max. DC Input Voltage	600 V	600 V
Rated DC Input Voltage	360 V	360 V
MPPT Voltage Range	100 - 550 V	100 - 550 V
No. of MPP Trackers	1	2
No. of Input String per Trackers	1	1/1
Max. DC Input Current	15 A	15/15 A
Max. DC Short-circuit Current	20 A	20/20 A

3.000 W

3.300 W

3.300 VA

6.000² VA

3.000 W

15 A

L/N/PE, 220/230/240V

50/60 Hz

0.8 leading ...0.8 lagging

< 3% @Rated Output Power

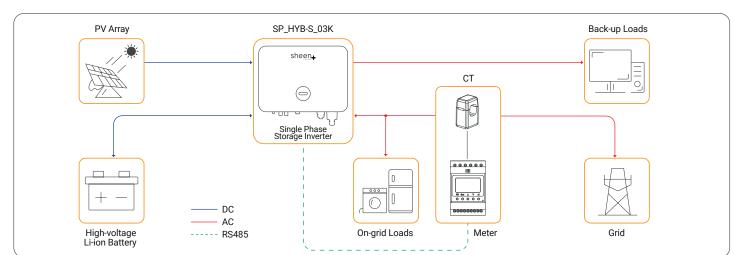
< 0.5%In

< 10ms6,000

Model	SP_HYP-S_03K	SP_HYP-S_06K
Efficiency)	
Max. Efficiency	97.6%	97.6%
European Efficiency	97.0%	97.0%
Max. Battery Charging Conversion Efficiency	96.6%	96.6%
Max. Battery Discharge Conversion Efficiency	96.6%	96.6%

Protection	
DC Reverse Polarity Protection	Integrated
Battery Input Reverse Connection Protection	Integrated
Insulation Resistance Protection	Integrated
DC Switch	Optional
Surge Protection	Integrated
Over-heat Protection	Integrated
Residual Current Protection	Integrated
Islanding Protection	Frequency Shift, Integrated
AC Overvoltage Protection	Integrated
Overload Protection	Integrated
AC Short-circuit Protection	Integrated

General Data		
Size (W*H*D)	410*360*120 mm	
Weight	13 kg	
Protection Degree	IP65	
Self-consumption at Night	<1 W	
Тороlоду	Transformer less	
Ambient Temperature Range	-30 °C ~ 60 °C	
Relative Humidity	0~100 %	
Operating Altitude	4000 m (derating@ > 3000)	
Cooling	Natural Convection	
Noise	< 25 dB	
Display	OLED & LED	
Communication	RS485/WiFi/GPRS/LAN (Optional)	
Certifications	IEC62109, IEC62116, VDE4105, VDE0126, AS4777, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000	



UPS Switching Time	< 10
Max. Apparent Output Power	3.300 VA
Peak Output Apparent Power	3.900 ³ , 60S VA

Output Data (Grid)

Rated Output Power

Max. Output Power

Max. Apparent Power

Rated Output Voltage

Rated AC Frequency

Max. Output Current

Power Factor

DCI

Max. Input Apparent Power

Max. Charging Power of Battery

Max. Total Harmonic Distortion

Voltage Harmonic Distortion

Output Data (Back-Up)

Battery	
Battery Type	Lithium Battery (with BMS)
Battery Communication Mode	AN / RS485
Battery Voltage Range	85-500 V
Max. Charge/Discharge Current	30/30 A
Rated Current of Built-in Fuse	63 A