

Single-phase Hybrid Inverter

SLH-3KW/5KW/6KW/8KW-EU



SLH series is a low-voltage hybrid inverter with high efficiency, high protection level and long life. It is suitable for families, small businesses, schools and other scenarios.

- Higher efficiency: Max. efficiency > 98%
- Pure Sine Wave Output, Adaptable to Different Loads
- Support parallel machine: up to 6 parallel machines
- IP66 protection design: can adapt to outdoor, fog, dust and other harsh environment
- Intelligent management system, real-time display operation data
- Multiple Working Mode: Photovoltaic/ Battery/AC Priority



Hybrid



EURO
EN50549

AUS ESP ZA SA
GER AUT ITA UK
Grid Standards

10 Years
Design Life



www.onesunpv.com

Technical Data

Model	SLH-3KW-EU	SLH-5KW-EU	SLH-6KW-EU	SLH-8KW-EU
INVERTER INPUT/OUTPUT(GRID)				
Rated Power	3kW	5kW	6 kW	8 kW
Rated Voltage	220/230/240Va.c.,L+N+PE			
Rated Frequenc	50 Hz/60 Hz			
Power Factor Range	0.8 leading~0.8 lagging			
Switch Time	<10 ms			
Current (Maximum Continuous)	13A	21.7A	26.1A	34.7A
Max. Output Overcurrent Protection	250Va.c./63Aa.c.			
BATTERY				
Battery Type	Lithium/Lead-acid			
Battery Voltage Range	45 ~ 58Vd.c			
Rated Battery Voltage	51.2Vd.c.			
Max. Charge Current	78A	130A	143A	195A
Max. Discharge Current	78A	130 A	143A	195A
Reverse Connect Protection	Yes			
PVINPUT				
No.of MPPT Tracker/Strings	2/1+1			
Max. PVArray Power	4.5kW	7.5 kW	9.0 kW	12.0 kW
Max. DC Voltage	550V			
MPPT Voltage Range	120~500V			
Start-up Voltage	120V			
Max.Input Current	16+16A (8 kW:18+18A)			
Isc PV (Absolute Maximum)	24+24A			
ACOUTPUT(EPS)				
EPS Rated Output Voltage	220/230/240Va.c.,L+N+PE			
EPS Rated Output Frequency	50 Hz/60 Hz			
EPS Rated Output Active Power	3kW	5kW	6 kW	8kW
EPS Rated Output Apparent Power	3kVA	5kVA	6 kVA	8 kVA
EPS Rated Output Current	13A	21.7A	26.1A	34.7A
Overload Capacity (Off Grid)	120%60s/150%30s/200%10s			
EFFICIENCY				
MPPT Efficiency	99.90%			
Euro-efficiency	97.00%			
Max. efficiency	98%			
PROTECTION&FEATURE				
Insulation Monitoring	Yes			
Residual Current Monitoring	Yes			
Parallel Function	Yes			
Protection Degree	IP65			
Other Protection	Overload,Over temperature,Shortcircuit,Active anti-islanding method			
GENERAL PARAMETER				
Warranty	5years			
Display	LED+APP			
Interface	CAN/RS485/Bluetooth/WiFi/4G/DRM(Optional)			
Storage Temperature	-25°C ~ +60°C			
Operating Temperature	-25°C ~ +60°C(Linely derating to 80%when exceed +45°C ~ +60°C)			
Humidity	0-100%(Non-condensing)			
Operating Altitude	2000m(> 2000 m Derating)			
Noise	<35dB			
Machine Dimensions(W*H*D)	506*556*206 mm			
Machine Weight/N.W.	25.6kg			27kg
Certifications	CEI0-21,EN 50549-1,VDE-AR-N4105,UNE 217002,NTSTYPEA,G99,AS/NZS4777.2			