

# SW 8-10K SH/LV -EU



## Excellent Performance

- Up to 150% usable PV power with 3 MPPTS
- Maximum battery charge/discharge current of 210A
- Continuous 110% of nominal AC power



## High Flexibility

- Support 40-64V Lithium or Lead-acid battery
- Max. 9 units parallel for on-grid and off-grid operation
- Support smart load/generator/AC Coupling



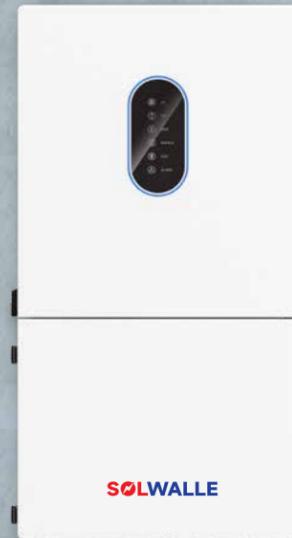
## Safety & Reliability

- IP65: Indoor or outdoor installation
- Seamless transition to backup mode, for protection against power outages
- Multiple built-in protections and optional advanced protection



## Intelligent Maintenance

- Intelligent management, local & remote monitoring
- 3 application modes, mixed with battery scheduling



Model	SW 8KSH/LV -EU	SW 10KSH/LV -EU
<b>Efficiency</b>		
Max. Efficiency (PV to AC)		98.0%
Max. Efficiency (BAT to AC)		94.5%
<b>Input (PV)</b>		
Max. PV Input Power	12,000W	15,000W
Max. PV Voltage		600V
Start-up Voltage		90V
MPPT Operating Voltage Range		70-540V
Max. Input Current per MPPT		30A/22A /22A
Max short current per MPPT		40A/30A/30A
String per MPPT		2/2/2
Nos. of MPPT		3
<b>Input/Output (BAT)</b>		
Battery Type		Lithium-ion/Lead-acid
Nominal Battery Voltage		48V
Battery Voltage		40V-64V
Max. Charge/Discharge Current	210A/180A	210A/210A
Max. Charge/Discharge Power	10,000W/8,000W	10,000W/10,000W
<b>Output (Grid)</b>		
Nominal AC Output Power	8,000W	10,000W
Max. AC Output Apparent Power	8,800VA	11,400VA
Max. AC Output Power (PF=1)	8,800W	11,400W
Max. AC Output Current	40A	
Nominal Grid Voltage		220V/230/240V, L+N+PE
Grid Voltage Range		150V-300V (Adjustable)
Nominal Grid Frequency		50Hz /60Hz
Grid Frequency Range		45Hz-55Hz/55Hz-65Hz (Adjustable)
Power Factor		0.99 @rated power (Adjustable 0.8 LD - 0.8LG)
THDI		<3% (Rated Power)
<b>Output (Back up)</b>		
Nominal Output Power	8,000W	10,000W
Nominal Output Current	34.8A	43.5A
Peak Power (1s)	16,000W	20,000VA
Nominal Output Voltage		220V/230/240V, L+N+PE
Nominal Output Frequency		50Hz/60Hz
Transfer Time		< 10ms (typical)
THDV		<3% @100% R Load
<b>Protection</b>		
Protection Category		Class I
DC Switch		Yes
Anti-islanding Protection		Yes
AC Overcurrent Protection		Yes
DC/AC Overvoltage Protection		Type II , Type III
AC Short Circuit Protection		Yes
DC Reverse Protection		Yes
Surge Arrester		Type II , Type III
Insulation Resistance Detection		Yes
Leakage Current Protection		Yes
AFCI		Yes
RSD		Yes
Generator		Yes
<b>General</b>		
Max. Operation Altitude		4000m (>2000m derating)
Ingress Protection Degree		IP65
Operating Temperature Range		-25 C ~60 C (>45 C derating)
Relative Humidity		0~100%
Cooling Method		Fan Cooling
Mounting		Wall bracket
Dimensions (W*H*D)		420mm*800mm*240mm
Weight		39Kg
<b>HMI &amp; COM</b>		
Display		Wireless & APP + LED, LCD (optional)
Communication Interface		RS485/CAN (for BMS), DRM/RS485 (for meter), RS485, Optional: Wi-Fi/LAN
<b>Certification</b>		
Safety		EN IEC 62109-1&2
Grid		IEC 61727/62116, IEC 61683, IEC 60068, AS 4777.2, NRS 097-2-1
EMC		EN IEC 61000
Warranty		5 Years/10 Years (Optional)

Remarks: The range of output voltage and frequency may vary depending on different grid codes. Specifications are subject to change without advanced notice.