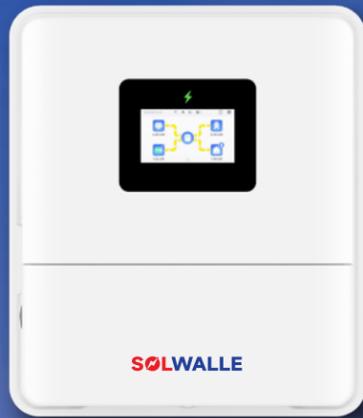


# SW 3.6/5/6K SH/LV



- \* LCD touch color screen, easy to operate
- \* Support high power PV panel with 18A PV input current
- \* Max battery charge/discharge current of 135A
- \* Support generator/smart load/AC coupling
- \* Support up to 9 pcs in parallel
- \* Compact and lightweight, easy to transport and space-saving

Model	SW 3.6KSH/LV	SW 5KSH/LV	SW 6KSH/LV
<b>Efficiency</b>			
Max. Efficiency (PV to AC)		97.3%	
Eur. Efficiency (PV to AC)		96.8%	
Max. Efficiency (BAT to AC)		94.3%	
<b>Input (PV)</b>			
Max. PV Input Power		7,800W	
Max. PV Voltage		500V	
Start-up Voltage		90V	
MPPT Voltage Range		70V-480V	
Max. Input Current		18A/18A	
Max. Short Circuit Current		25A/25A	
Nos. of MPPT		2	
String per MPPT		1/1	
<b>Input/Output (BAT)</b>			
Battery Type		Lithium-ion/Lead-acid	
Nominal Battery Voltage		48V	
Battery Voltage Range		40V-65V	
Max. Charging/Discharging Current	75A/75A	110A/110A	135A/135A
Max. Charging/Discharging Power	4,000W/4,000W	5,500W/ 5,500W	6,600W/ 6,600W
<b>Input/Output (Grid)</b>			
Nominal AC Output Power	3,600W	5,000W	6,000W
Max. AC Apparent Power	4,320V A	6,000VA	7,200VA
Max. AC Output Power (PF=1)	7,200W	10,000W	10,000W
Max. AC Output Current	18A	25A	28.7A
Max. Input Power From Grid	7,500W	9,000W	9,000W
Max. Input Current From Grid		41A	
Rated Grid Voltage		220V/230V/240V, L+N+PE	
Grid Voltage Range		150V-300V (Adjustable)	
Rated Grid Frequency		50Hz/60Hz	
AC Frequency Range		45Hz-55Hz/55Hz-65Hz (Adjustable)	
Power Factor		> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)	
THDI		<3% (Rated Power)	
<b>Output (Back up)</b>			
Nominal AC Output Power	3,600W	5,000W	6,000W
Rated AC Output Current	16.4A/15.7A/15.0A	22.7A/21.7A/20.8A	27.3A/26.1A/25.0A
Peak Output Power (1min)	4,320V A	6,000V A	7,200V A
Peak Output Power (10S)	7,200V A	10,000V A	10,000V A
Nominal Output Voltage		220V/230V/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 Over Current Protection		Yes	
PV/AC Over Voltage Protection		DC Type II, AC Type III	
AC Short Circuit Protection		Yes	
PV Reverse Protection		Yes	
Surge Arrester		DC Type III, AC Type III (Type II Optional)	
Insulation Detection		Yes	
Leakage Current Protection		Yes	
<b>General</b>			
Max. Operation Altitude		4000m (>2000m derating)	
Protection Degree		IP65	
Operating Temperature Range		-25°C~60°C(>45°C derating)	
Relative Humidity		0~100%	
Cooling	Natural Cooling	Natural Cooling	Smart Fan Cooling
Mounting		Wall bracket	
Dimensions (W*H*D)		377mm*452mm*206mm	
Weight		20Kg	
<b>HMI &amp; COM</b>			
Display		LED, LCD	
Communication		RS485/CAN (for BMS), RS485 (for Meter), DRMs, CAN (for parallel), 2*DO, 2*DI, USB (for Wi-Fi/LAN, optional)	
<b>Certification</b>			
Safety		IEC/EN 62109-1&2	
EMC		IEC/EN 61000/62920	
Warranty		5 Years	

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