

# SL3.6-6KLV-W

## Single Phase Low Voltage Hybrid Inverter



### Efficient

- Max. charging/ discharging current of 135A;
- DC/AC ratio up to 1.6;
- Support Max. 16pcs Parallel;
- MPPT Max. input current up to 18A;



### Reliable

- Type II SPD on DC/AC sides;
- Equalization charge to improve battery performance and lifespan;
- IP65 protection degree;
- < 10ms on-grid and off-grid switching time;



### Flexible

- Support Smart Load function;
- Support RS485/WIFI communication modes;
- Support upgrade remotely via USB port;
- Support diesel generator connection;



### User-friendly

- Better human-machine interaction experience;
- Colorful touch LCD screen;
- Plug-Play design for easy installation and maintenance;
- Integrated die-casting front cover;

Model	SL3.6KLV-W	SL5KLV-W	SL6KLV-W
<b>PV (DC)</b>			
Recommended Max. PV Input Power	5760 Wp	8000 Wp	9600 Wp
Max. Input Voltage		500 V	
Start-up Voltage		125 V	
Rated Input Voltage		370 V	
MPPT Input Voltage Range		150-430 V	
MPPT Max. Input Current		18 A	
MPPT Short-circuit Current		20 A	
No. of MPPT		2	
No. of Strings per MPPT		1	
<b>Grid (AC)</b>			
Max. Input Apparent Power	7590 VA	7590 VA	9200 VA
Rated Output Power	3600 W	5000 W	6000 W
Max. Output Apparent Power	3960 VA	5500 VA	6600 VA
Rated AC Voltage		L/N/PE 230 V	
Input/Output Voltage Range		180-300 V	
Rated Output Voltage Frequency		50/60 Hz	
Input/Output Voltage Frequency Range		(45-55)/(55-65) Hz	
Rated Output Current	15.7 A	21.7 A	26.1 A
Max. Input/Output Current	33 / 17.2 A	33 / 23.9 A	40 / 28.7 A
Power Factor (Rated)		>0.99	
Adjustable Power Factor Range		0.8 leading ... 0.8 lagging	
Total Harmonic Distortion		<3% (Rated Power)	
Grid Connection Mode		L/N/PE	
<b>AC Load Output (Off-grid)</b>			
Rated Output Power	3600 W	5000 W	6000 W
Max. Output Apparent Power	3960 VA	5500 VA	6600 VA
Rated Output Voltage		L/N/PE 230 V	
Output Voltage Range		200-240 V	
Rated Output Frequency		50/60 Hz	
Rated Output Current	15.7 A	21.7 A	26.1 A
Max. Output Current	17.2 A	23.9 A	28.7 A
Total Harmonic Distortion		<3% (Rated Power)	
On-grid/Off-grid Switching Time		<10 ms	
<b>Battery (DC)</b>			
Rated Output Power	3600 W	5000 W	6000 W
Max.Charge/Discharge Power	3600 W	5000 W	6000 W
Rated Voltage		48 V	
Battery Voltage Range		40-60 V	
Max. Charge/Discharge Current	90 A	120 A	135 A
Communication Port		CAN/RS485	
<b>Efficiency</b>			
Max. Efficiency		96.8%	
Max. MPPT Efficiency		99.9%	
Max. European Efficiency		96%	
<b>Protection</b>			
Integrated Protection	Anti-countercurrent Protection; Insulation Impedance Detection; Photovoltaic Reverse Connection Protection; Input DC Switch; GFCI Leakage Current Detection; Output Short-circuit Protection; Output Overcurrent Protection; Grid Monitoring; Islanding Protection; Residual Current Detection; Off-grid Overload		
Surge Protection	DC Type II, AC Type II		
<b>Display and Communication</b>			
Display	LCD+LED+APP		
Communication	RS485, WiFi (Optional)		
<b>General Data</b>			
Dimensions (WxHxD)	492x400x220 mm		
Weight	21 kg		
Operating Temperature Range	-25°C...60°C(Greater than 45°C Derating)		
Noise	<35 dB		
Cooling	Smart Cooling		
Installation Style	Wall-mounted		
Protection Rating	IP65		
Warranty	5 Years		
<b>Standards Compliance</b>			
Grid Connection	IEC 62116, IEC 61727, NRS 097-2-1, IEC 61683		
Safety Regulation	EN/IEC 62109-1/2		
Others	EN/IEC 61000-6-1/3		