

## LV Inverter

# KSL-E



### HIGH PERFORMANCE

- Supports 6 machines in parallel.
- Max 8kW power output.
- VPP coordination.



### USER FRIENDLY SETUP

- Display Screen allows for real-time monitoring.
- Cloud platform / APP remote monitor.



### SAFE AND RELIABLE

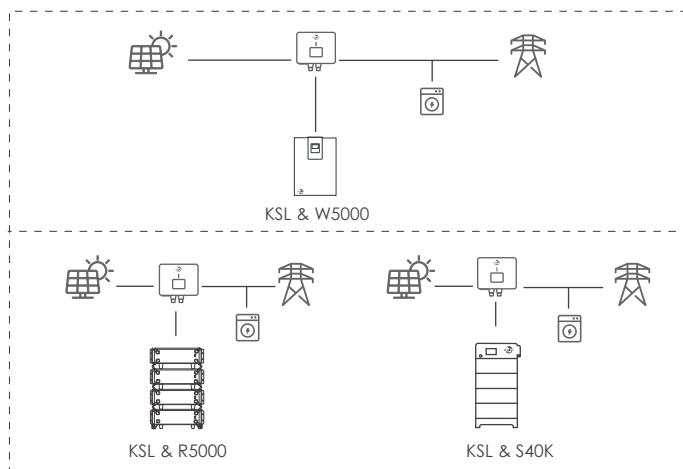
- IP65 design , available for indoor / outdoor.
- Built-in protection against backflow.



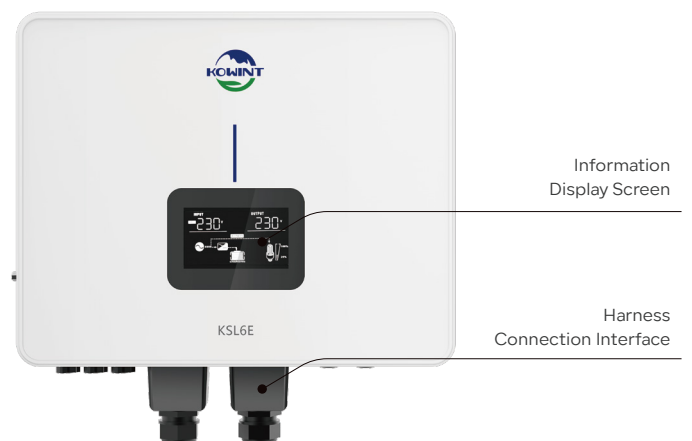
### EASY INSTALLATION

- Wall-mount design saves installation space.
- Lightweight and convenient ,Easy to install.

## System Layout



## System Demonstration



## ● Product Specifications

PV Input Data	KSL3E	KSL3.68E	KSL4E	KSL4.6E	KSL5E	KSL6E	KSL8E
Max.Input Power(kW)	4.5	5.4	6	6.9	7.5	9	12
Start-up Voltage(V)				100			
Max. PV Input Voltage(V)				550			
MPPT Range / Nominal(V)				80 ~ 500 / 360			
Max.Input Current of Single MPPT(A)	16 / 16	16 / 16	16 / 16	16 / 16	16 / 16	16 / 16	16 / 16
MPPT Tracker Quantity	2	2	2	2	2	2	2
MPPT Quantity / The number of Input Strings Supported by Each Mppt	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
<b>AC Output Data</b>							
Rated Power (kW)	3	3.68	4	4.6	5	6	8
Rated AC Current Output to Grid(A)	13	16	17.4	20	21.7	26	35
Nominal Voltage / Range(V)				230 / 176 ~ 270			
Frequency (Hz)				50 / 60			
Power Factor	1 (0.8 leading ~ 0.8 lagging)						
THDi	<3%						
AC Grid Type	L+N+PE						
<b>Battery Data</b>							
Battery Voltage Range (V)				40 ~ 58			
Max.Charging Voltage (V)				58			
Max.Charge / Discharge Current(A)	60 / 60	72 / 72	80 / 80	92 / 92	100 / 100	120 / 120	160 / 160
Battery Type	Lithium / Lead-acid						
Communication Interface	CAN						
<b>EPS Output</b>							
Rated Power(kW)	3	3.68	4	4.6	5	6	8
Rated Voltage(V)				230			
Rated AC Current Output to Grid(A)	13	16	17.4	20	21.7	26	35
Rated Frequency(Hz)				50/60			
Automatic Switchover Time(ms)				<10			
THDu	<2%						
Overload Capacity	100%, 60s / 120%, 30s / 150%, 10s						
<b>General Data</b>							
Battery Charge / Discharge Efficiency				96%			
Max.Efficiency				98%			
Europe Efficiency				97%			
Mppt Efficiency				99.9%			
Ingress Protection				IP65			
Noise Emission(dB)				<35			
Operation Temperature(°C)				-25 ~ 60			
Cooling				Natural			
Relative Humidity				0 ~95% (non-condensing)			
Operating Altitude(m)				0~2000(No Derating Below 2000)			
Dimensions(W*D*H)				454.5*200 *467mm 8*7.8*18.3in		467*200*484mm 18.3*7.8*19in	
Weight				18kg / 40lb		20kg / 44lb	
Topology	non-isolated						
Self-consumption at Night(W)	<20						
<b>Display &amp; Communication</b>							
Display	Optional (Colorful Touch Screen / No Screen)						
Interface	RS485 / WiFi / 4G / CAN / DRM						
<b>Certifications</b>							
Certifications	EMC, EN50549-1, IEC 62109-1 / IEC 62109-2 , EN62109-1 / EN62109-2, CE, NRS, G99						