

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.
- Could platform / APP remote monitor.



SAFE AND RELIABLE

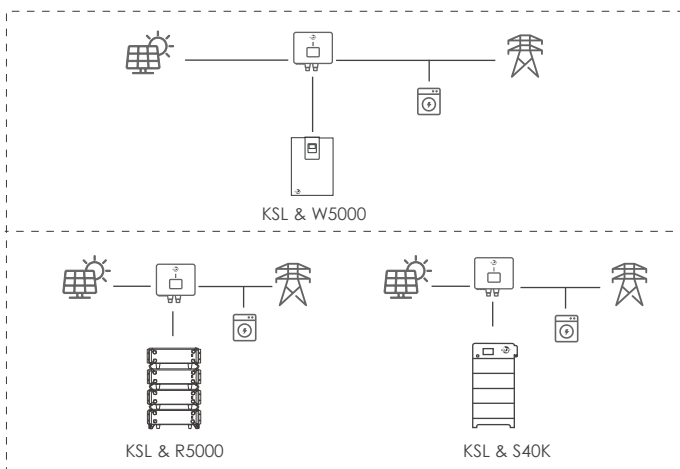
- IP65 design , available for indoor / outdoor.
- Built-in protection against backflow.



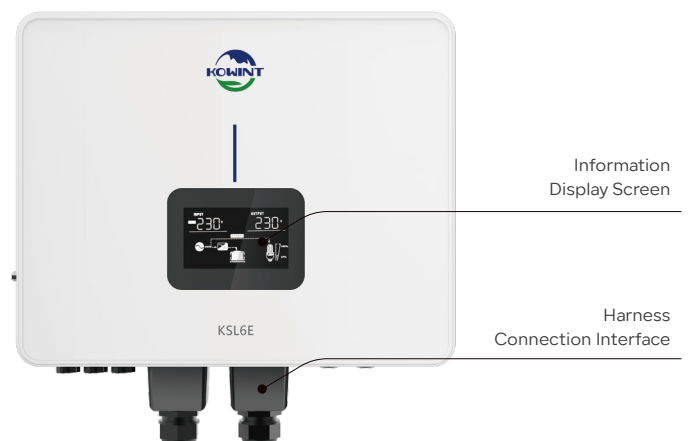
EASY INSTALLATION

- 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
AC Output Data							
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			
Battery Data							
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			
EPS Output							
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			
General Data							
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(Approximate)				18kg / 40lb			20kg / 44lb
Topology				non-isolated			
Self-consumption at Night(W)				<20			
Display & Communication							
Display				Optional (Colorful Touch Screen / No Screen)			
Interface				RS485 / WiFi / 4G / CAN / DRM			
Certifications							
Certifications				EMC, EN50549-1, IEC 62109-1 / IEC 62109-2 , EN62109-1 / EN62109-2, CE, NRS, G99			