

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

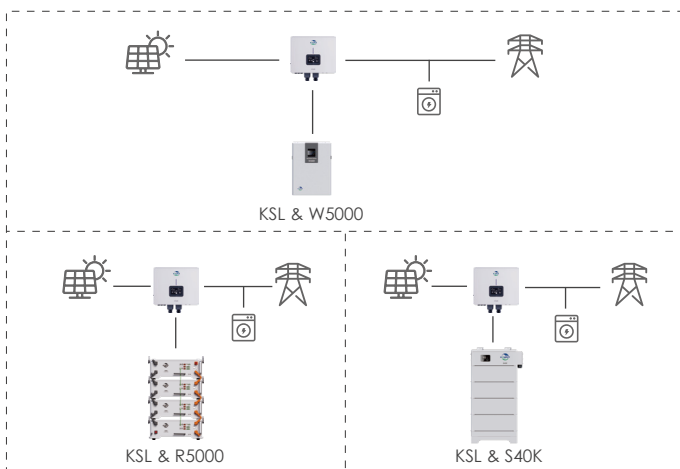
- IP65 design , available for indoor / outdoor.
- Built-in protection against backflow.



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
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(mm/in)	454.5*200 *467 8*7.8*18.3						467*200*484 18.3*7.8*19
Net Weight(kg/lb)	18/40						20/44
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						