

HV Inverter KSH



HIGH PERFORMANCE

- Compatible with high-intensity PV modules at 18A.
- VPP / FFR function available.



FLEXIBLE APPLICATION

- Rapid UPS-level shift in <10ms.
- Fully supports unbalanced loads.



USER FRIENDLY SETUP

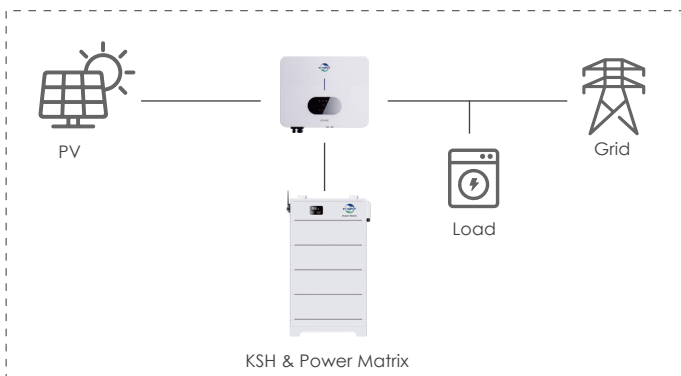
- Display Screen allows for real-time monitoring.
- Remote adjustments and upgrades.



EASY INSTALLATION

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

System Layout



System Demonstration



● Product Specifications

PV Input Data	KSH5E	KSH6E	KSH8E	KSH10AE	KSH10E
Recommended Max. PV Power(Wp)	7500	9000	12000	15000	15000
Max. PV Input Voltage(V)			1000		
MPPT Voltage Range(V)			160 ~ 950		
Rated PV Input voltage(V)			600		
Start-up Voltage(V)			180		
No. of MPP Trackers			2		
No. of Input Strings Per Tracker			1		
Max. Input Current Per MPPT(A)			36 (18 / 18)		
Max. Short-circuit Current Per MPPT(A)			46 (23 / 23)		
DC Switch			Integrated		
AC Output Data					
Maximum Apparent Power(VA)	5500	6600	8800	10000	11000
Rated AC Power(W)	5000	6000	8000	10000	10000
Maximum AC Current(A)	7.6	9.1	12.2	14.4	15.2
Rated AC Current(A)	7.2	8.7	11.5	14.4	14.4
Rated AC Voltage / Range(V)			3/N / PE, 220 /380, 230 / 400; ±20%		
Grid Frequency / Range(Hz)			50 / 60; ±5		
Adjustable Power Factor(cosφ)			0.8 leading ~ 0.8 lagging		
Output THDi(@Rated Output)			<3%		
AC Input Data					
Max. apparent AC Power(VA)	10000	12000	16000	20000	20000
Max. AC Current(A)	15.2	18.2	24.4	28.8	30.4
Rated AC Voltage / Range(V)			3/ N / PE,220 /380,230 / 400; ±20%		
Grid Frequency / Range(Hz)			50 / 60; ±5		
Battery Data					
Battery Type			Lithium		
Battery Voltage Range(V)			160 ~ 700		
Max. Charging / Discharging Current(A)			30 / 30		
Communication Interface			CAN		
EPS Output Data (With Battery)					
EPS Rated Power(W)	5000	6000	8000	10000	10000
EPS Rated Voltage (V)			3 / N / PE, 220 / 380 , 230 / 400		
EPS Rated Frequency(Hz)			50 / 60		
EPS Rated Current(A)	7.6	9.1	12.2	14.4	15.2
Output THDi(@Rated Output)			< 3%		
Automatic Switch Time(ms)			10		
Peak Apparent Power, Duratio (VA, s)	7500, 60	9000, 60	12000, 60	15000, 60	15000, 60
Efficiency					
Max.Efficiency	98.00%	98.00%	98.00%	98.00%	98.00%
Euro Efficiency	97.70%	97.70%	97.70%	97.70%	97.70%
Max.Battery Charge / Discharge Efficiency	97.60%	97.60%	97.60%	97.60%	97.60%
Protection					
DC Insulation Monitoring			Integrated		
Input Reverse Polarity Protection			Integrated		
Anti-island Protection			Integrated		
Residual Current Monitoring			Integrated		
Over-heat Protection			Integrated		
AC Overcurrent Protection			Integrated		
AC Short-circuit Protection			Integrated		
AC Overvoltage Protection			Integrated		
DC Surge Protection			Integrated (Type II)		
AC Surge Protection			Integrated (Type II)		
General Data					
Dimension - W*D*H(mm/in)			520*188*412/20.5*7.4*16.2		
Net Weight (kg/lb)			27/59.5		
User Interface			LED + OLED		
Communication			RS485 and USB or WiFi or 4G (Optional)		
Operating Temperature Range(°C)			-25 ~ + 60		
Relative Humidity			0 ~100%		
Standby Self Consumption (W)			<15		
Topology			Transformerless		
Cooling			Natural		
Enclosure			IP65		
Noise(dB)			<35		
Warranty			5 Years		
Certifications & Standards					
Grid Regulation	VDE 4105, EN 50549-1, VDE 0126 , CEI 0-21, EN 50549-GR , EN 50549-PL , TOR Erzeuger , EN50549-CZ, AS4777, UNE217002				
Safety Regulation	IEC 62109-1, IEC 62109-2				
EMC	IEC 61000-6-1, IEC 61000-6-3				