

# KSL12 Inverter

Multiple input & output- Split Phase  
208/240Vac or Single Phase 230Vac

IP65 waterproof/dustproof prevent  
various corrosion.

Wi-Fi for remote monitoring (Kowint  
cloud monitoring)

Extra input acceptable/generator input  
compatible

Extra CT sensor guarantee 100%  
self-consumption

RS485/CAN communication for BMS

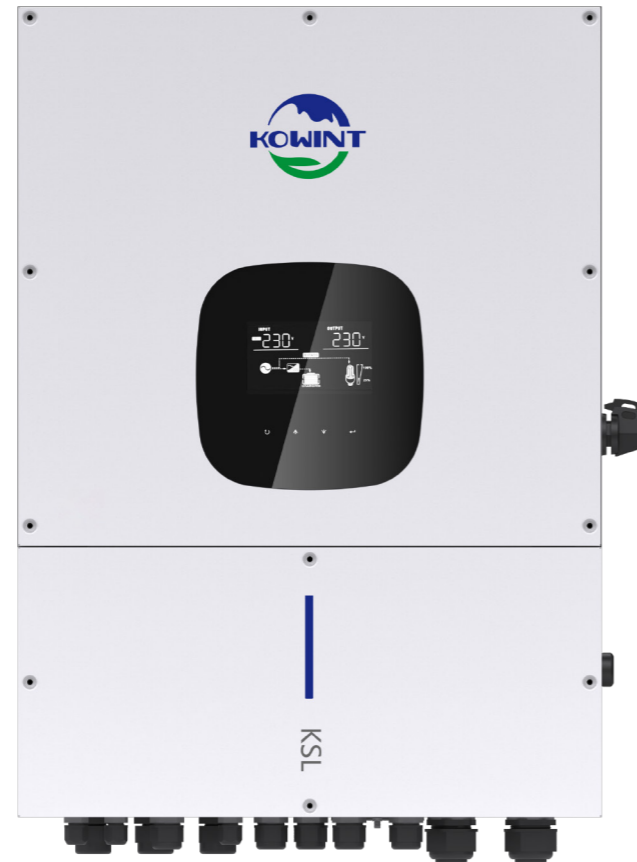
In-built AC coupling capability.

Current and voltage adjustable

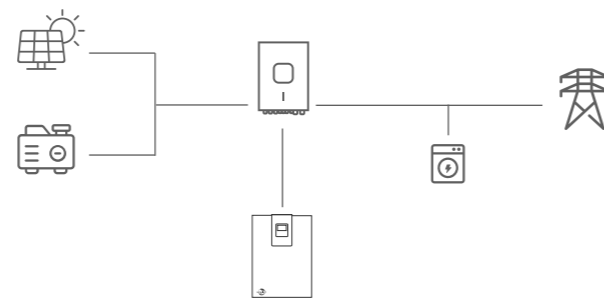
Up to 6 units parrell operation

- ✓ Compact Size
- ✓ Extreme Safety
- ✓ Data Visualization
- ✓ Excellent Scalability
- ✓ Good Controllability
- ✓ Cloud Service

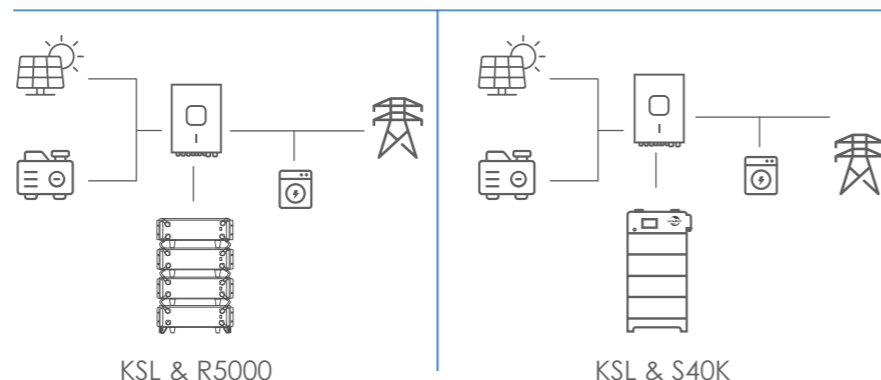
Your Green Energy Manufacturer



## One-stop solution



KSL & W5000



KSL & R5000

KSL & S40K

## Product Specifications

www.kowint.com  
info@kowint.com



### Model

Phase	120/240V Split phase, 120V/208V Split phase
Maximum PV Input Power	12000W
Rated Output Power	10000VA / 10000W
Maximum Charging Power	10000W

### Grid-tie Operation

#### PV INPUT ( DC )

Maximum DC Voltage	600 VDC
Start-up Voltage / Initial Feeding Voltage	125 VDC / 160 VDC
MPPT Voltage Range	120 VDC -550 VDC
Number of MPPT Trackers / Maximum Input Current	2 / 18A

#### GRID OUTPUT ( AC )

Nominal Output Voltage	120 VAC (P-N) 208 VAC (P-P) 240 VAC (P-P)
Output Voltage Range	105.5 VAC -132 VAC ( per phase )
Nominal Output Current	41.5A per phase
Power Factor	0.9 lag to 0.9 lead

#### EFFICIENCY

Maximum Conversion Efficiency (DC / AC)	96%
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### OFF-Grid Operation

#### AC INPUT

AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) / 90 VAC (per phase)
Acceptable Input Voltage Range	85-140 VAC (per phase)
Frequency Range	50 Hz / 60 Hz (Auto sensing)
Maximum AC Input Current	40A per phase

#### PV INPUT ( DC )

Maximum DC Voltage	600 VDC
MPPT Voltage Range	120 VDC ~550VDC
Number of MPPT Trackers / Maximum Input Current	2 / 18A

#### BATTERY MODE OUTPUT ( AC )

Nominal Output Voltage	120 VAC (P-N) 208VAC (P-P) 240VAC (P-P)
Output Waveform	Pure sine wave
Efficiency (DC to AC)	91%

### Hybrid operation

#### PV INPUT (DC)

Maximum DC Voltage	600VDC
Start-up Voltage / Initial Feeding Voltage	125VDC /160VDC
MPPT Voltage Range	120VDC-550VDC
Number of MPPT Trackers / Maximum Input Current	2 / 18A

#### GRID OUTPUT ( AC )

Nominal Output Voltage	120 VAC (P-N) 208VAC (P-P) 240VAC (P-P)
Output Voltage Range	105.5 VAC-132 VAC (per phase)
Nominal Output Current	41.5 A per phase

#### AC INPUT

AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) 90 VAC (per phase)
Acceptable Input Voltage Range	85-140 VAC (per phase)
Maximum AC Input Current	40 A per phase

#### BATTERY MODE OUTPUT ( AC )

Nominal Output Voltage	120 VAC (P-N) 208VAC (P-P) 240VAC (P-P)
Efficiency (DC to AC)	91%

#### BATTERY & CHARGER

Nominal DC Voltage	40-62 VDC
Maximum Solar Charging Current	200A
Maximum AC Charging Current	200A
Maximum Charging Current	200A

### General

Dimension, W*D*H (mm)	515*215. 5*715
Net Weight	45 kg
Parallel Function	Yes, 6 units.
Communication Port	RS232 RS485 . WI-FL USB
Protection Degree	IP 65
Operating Temperature	-25 " C to 60 " C (45 " C derating)
Certificate	UL1741SA / CEC