



## 60kw On Grid Pv Inverter

60kw on Grid Pv Inverter : China ISOLAR INVERTER Is an international high-tech growth enterprise, specializing in solar panels, solar inverter, controller and photovoltaic solar power generation and battery system research and development and sales, and provide photovoltaic products one-stop solutions. INVERTER ISOLAR Adhere to the scientific and technological innovation as the core of enterprise development,

in the renewable energy power industry has rich experience and strong independent innovation ability. At present, it has advanced high-tech and equipment, fully automated production line, and strictly controls the material inspection,production process and finished product inspection

### Product Description

ISOLAR INVERTER **60kw on Grid Pv Inverter** designed by our company has a higher service life, 25 years design life, fanless, low noise, maintenance free design, IP65 protection grade.ISOLAR INVERTER have reliable operation protection function, real-time anti-islanding detection, PV anti-reverse connection protection, inverter overheating protection, so that your use more assured.

ISOLAR INVERTER are integrated with internal lightning protection, and the whole series of inverters are built with WI-FI module. Users can easily monitor the operating status and power generation income of inverters through the Internet and mobile phone APP. The large LCD display interface enables you to see the operating status and operating parameters of inverters at a glance.

### Product Parameter (Specification) of 60kw on Grid Pv Inverter

**Technical Data**

Model	Austa-3P28K2G	Austa-3P30K2G
<b>Efficiency</b>		
Max. Efficiency	98.6%	98.6%
European Efficiency	98.3%	98.3%
<b>Input(PV)</b>		
Max. Input Voltage	1000V	
Max. PV configuration (STC)	150%	
Rated Input Voltage	620V	
Max. Input Current	81A(2*40.5A)	
Max.Short Circuit Current	90A(2*45A)	
Start Input Voltage	250V	
MPPT Operating Voltage Range	180V-960V	
Max. Number of PV Strings	6(3/3)	
No. of MPPTs	2	
<b>Output(Grid)</b>		
Rated AC Active Power	28,000W	30,000W
Max. AC Apparent Power	30,800VA	33,000VA
Max. AC Active Power (PF=1)	30,800W	33,000W
Max. AC Output Current	3*45A	3*48A
Rated AC Voltage	380V/400V, 3W+N+PE	
AC Voltage Range ①	277V-520V (Adjustable)	
Rated Grid Frequency	50Hz / 60Hz	
Grid Frequency Range ②	45Hz-55Hz / 55Hz-65Hz (Adjustable)	
THDI	<3% (Rated Power)	
DC Current Injection	<0.5%In	
Power Factor	>0.99 Rated power (Adjustable 0.8 LG - 0.8 LD)	
<b>Protection</b>		
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	DC Type II / AC Type II	
Insulation detection	Support	
Leakage current protection	Support	
<b>General</b>		
Topology	Transformerless	
IP Rating	IP65	
Night Self Consumption	<1W	
Cooling	Fan cooling	
Operating Temperature Range	-25°C-60°C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise	<50dB	
Dimensions (W*H*D)	555mm*446mm*270mm	
Weight	41kg	
<b>HMI &amp; COM</b>		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, WiFi / GPRS / 4G / LAN (Optional)	
<b>Certification</b>		
Safety	IEC62109-1, IEC62109-2	
EMC	EN 61000-6-2/4	
Grid Code	IEC61727/62116	
Warranty	5 Years	

**Product Feature And Application**

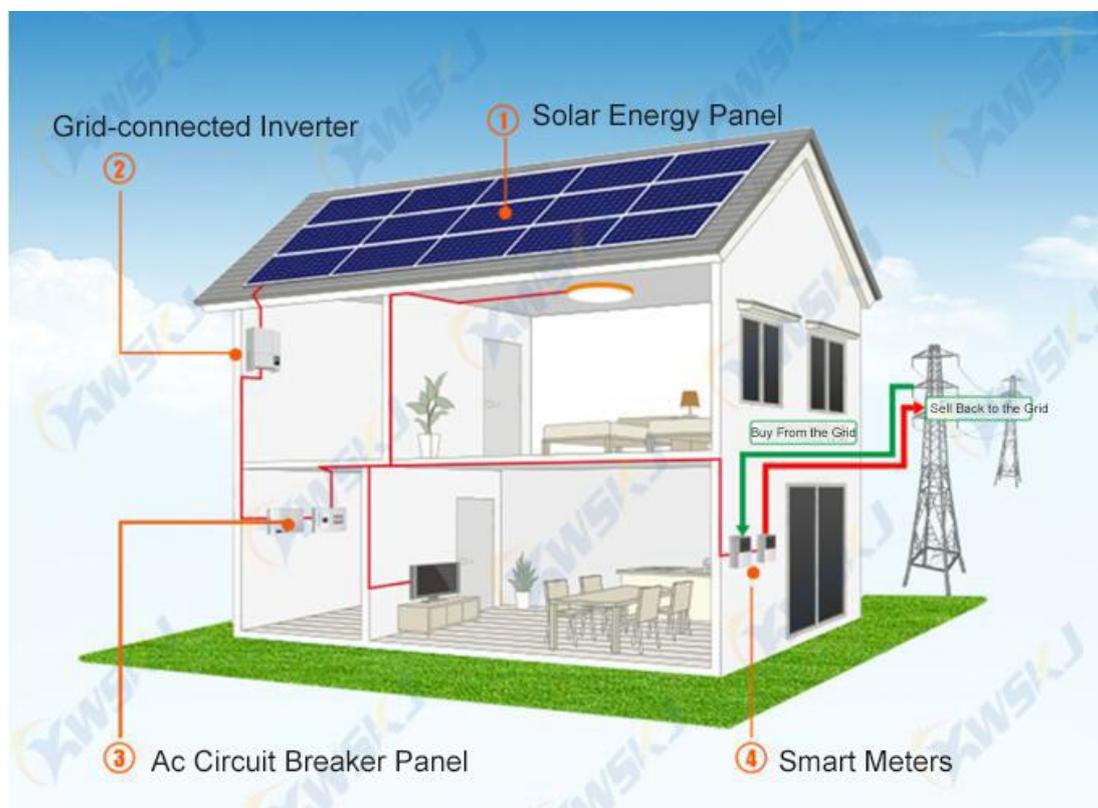
15kw on Grid Pv Inverter

- 1.Supports battery mode and no battery mode.
- 2.In battery-free mode, solar energy is preferred, and mains power is used as supplement to power the load;
- 3.Battery end anti-surge, anti-reverse connection, perfect matching of lithium battery application system;
- 4.Three charging modes are available: pure solar, preferred solar, solar to supplement mains;

**Product Details**

The working principle of the inverter: the electric energy generated by the photovoltaic modules first passes through the DC filter to suppress the high-frequency signal conduction interference, and the electrolytic capacitor stores energy to keep the DC voltage stable. The three-phase full-bridge inverter unit converts the DC power to the same frequency as the power grid. , The AC power of the same phase is filtered by a filter to generate a sine wave AC power, and after being electrically isolated by an isolation transformer, the power is fed to the power grid after the AC filter suppresses the conduction interference of high-frequency signals.

**The Best Solar Panels for Portable Solar Generators**



The PV on-grid power generation system consists of PV modules, PV combiner boxes,

PV on-grid inverters, metering device and power distribution system. The energy of solar energy is converted into DC power through PV modules, and then the DC power is converted into sine wave AC power with the same frequency and phase of the grid through the on-grid inverter power supply and input to the grid.

It can work with solar panels as a complete PV system, using sunlight to generate electricity, saving you a lot of electricity bills, **60kw on Grid Pv Inverter**, this series of solar inverter systems are widely used in homes, farms, schools, shops Wait, is your good choice.