Products

SE Series PV Inverter for **Industrial** Use

SE Series Three Phase On-Grid PV Inverter for Industrial and Commercial Use

Intelligent, Reliable & Ultimately Ecient

Application: Ideal for agricultural greenhouse power stations, shery water power stations, and rooftop power stations of industrial and commercial buildings

Superior Eciency for Increased Protability

- Excellent power generation performance, with up to 99% maximum conversion eciency and 98.5% against the European eciency standard
- Excellent power generation performance with Intelligent High Eciency technology
- High MPPT precision to signicantly increase the solar panel utilization
- 4 independent MPPT to adapt to various installation environment and minimize the panel loss
- Input over conguration up to 120% and output over load up to 110% to maximize the power station protability

High Reliability with Reduced Investment

- Superior model with extremely high power density for large and medium size industrial and commercial power stations
- Reliable integrated monitoring system to signicantly reduce the cost of multi-monitor network
- Key electrical components selected from international brands to guarantee the long product service life
- Real-time power factor adjustment with zero voltage ride through and compatible with all grid requirements
- Built-in PID module to systematically reduce the solar panel loss

User-friendly Installation and Intelligent Maintenancee

- Standard wireless trouble-shooting interface through smart Bluetooth connectivity
- Up to 12 strings for malfunction detection to speed up maintenance response time
- One key self-test and easy installation and commissioning to save time and labor
- Intelligent maintenance with designed APP/WEB for remote setting and system upgrading
- Aluminum case with light weight for easy installation by two persons

ANTARES TECHNOLOGY

Model	SE 50KTL	SE 60KTL
Eciency		
Max. Eciency	99.00%	99.00%
European Eciency	98.50%	98.50%
Input(DC)		
Max. DC Usable Power	60,000W	72,000W
Max. Input Voltage	1100V	1100V
Max. Input Current	110A (33/33/22/22)	132A (33/33/33/33)
Min. Operating Voltage/Start Input Voltage	200V / 250V	200V / 250V
MPPT Operating Voltage Range	200V-950V	200V-950V
MPPT Operating Voltage Range (Full-Load)	540V-850V	540V-850V
Max. Number of PV Strings	10(3/3/2/2)	12(3/3/3/3)
No. of MPPTs	4	4
Output(AC)		
Rated AC Active Power	50,000W	60,000W
Max. AC Apparent Power	55,000VA	66,000VA
Max. AC Active Power (PF=1)	55,000W	66,000W
Max. AC Output Current	83A	92A
Rated AC Voltage	380V, 3W+N+PE	380V, 3W+N+PE
AC Voltage Range*	277Vac-520Vac(adjustable)	277Vac-520Vac(adjustable)
Rated Grid Frequency	50Hz/60Hz	50Hz/60Hz
Grid Frequency Range**	45Hz-55Hz/55Hz-65Hz	45Hz-55Hz/55Hz-65Hz
THDI	<3%	<3%
DC Current Injection	<0.5%In	<0.5%In
Power Factor	> 0.99 Rated power (adjustable 0.8 LD - 0.8 LG)	
Protection		
DC switch	support	
Anti-islanding protection	support	
AC overcurrent protection	support	
AC short circuit protection	support	
DC reverse connection	support	
Surge Arrester	AC Type II/DC Type II	
Insulation detection	support	
Leakage current protection	support	
Anti-PID function	optional	
General		
Topology	Transformerless	
IP Rating	IP65	
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)	855mm*555mm*275mm	
Weight	65KG	67KG
HMI & COM		
Display	Blue-tooth & LED indicator, LCD(optional)	
Communication	RS485, WIFI(optional), GPRS(optional)	
Certication		
Safety	IEC62109-1, IEC62109-2	
EMC	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12	
Grid Code	VDE-AR-N 4105, IEC 61727	

Remarks The range of output voltage and frequency may vary depending upon dierent grid codes.
Specications are subject to change without advance notice.