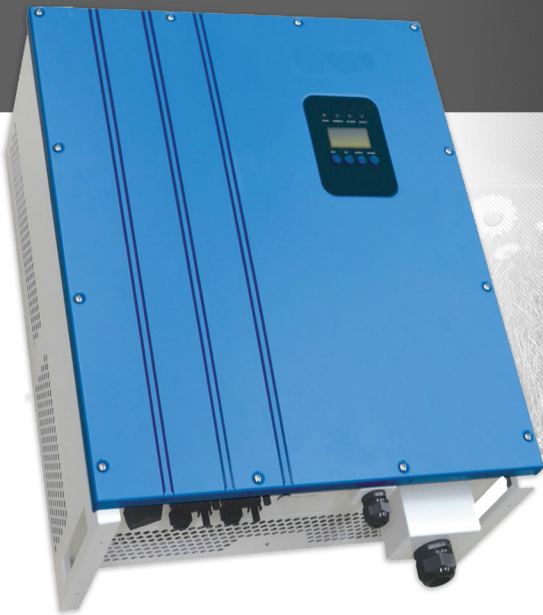


# Solar inverter VIS

## 10-20Kw



### Specifications

- Max PV Voltage up to 1000V
- High efficiency up to 98%
- 2 MPPT trackers
- Wide input voltage range
- Industrial protection IP65
- DC input range: 250 to 950V
- Wide working temperature range -25°C +60°C
- Fast connection & easy installation
- Smaller and lighter
- Reactive power controller
- Digital controller

### Certifications

- TUV IEC 62109
- CE IEC 61000
- VDE 0126 IEC 61727
- PEA / MEA IEC 61683 / IEC 62116

### Options

- Wifi communication box, SNMP, RS485 port

### Wifi/GPRS communication module and data collector

Communication module

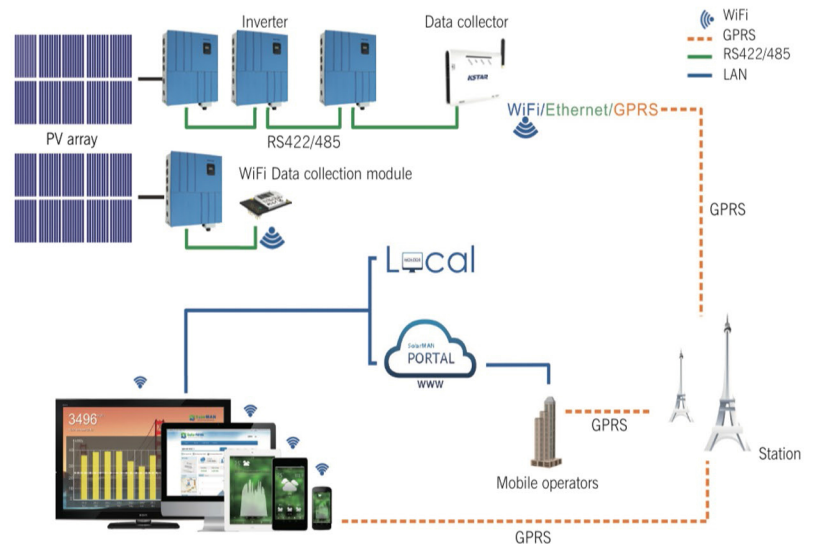


Data collector



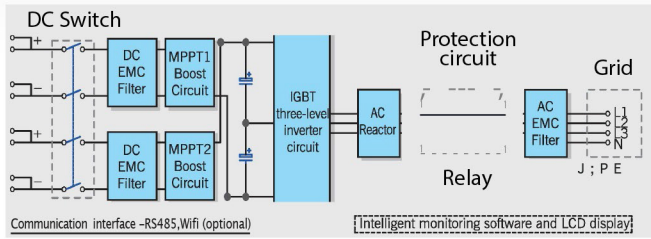
The data collector performs effectively and collects the working status and power generation of the PV power station continuously. Various communication methods, such as Ethernet/Wifi/GPRS are easily adapted to the system.

Support up to 50 PV inverters in paralleling.  
No additional software is needed  
Data storage can be up to more 25 years  
Easy to read display chart for system data

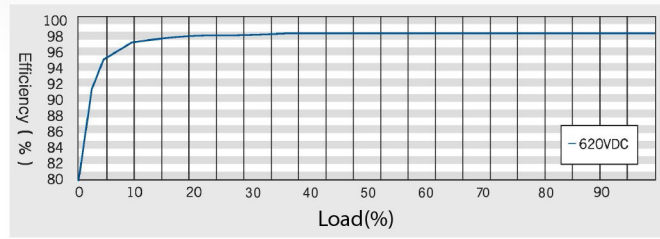


## Technical diagrams

Circuit diagram



Efficiency curve



VIS	VIS10K	VIS12K	VIS15K	VIS17K	VIS20K
<b>— DC input</b>					
Max. DC power	11,5KW	13,5KW	16,5KW	18,5KW	22,5KW
Max. DC voltage	1000Vdc				
MPPT voltage range	250-950Vdc				
Full load voltage range	480-800Vdc				
Nominal DC voltage	620Vdc				
Min/start DC voltage	200 / 250Vdc				
Number of MPPT trackers	2				
Strings per MPPT tracker	1		2		
Max. input current per MPPT tracker	13A / 13A		21A / 21A		
<b>— AC output</b>					
Nominal AC output power	10KW	12KW	15KW	17KW	20KW
Max. AC output power	11KW	13KW	16KW	18KW	22KW
Nominal AC voltage	400Vac				
AC voltage range	400Vac +/-20%				
Nominal AC grid frequency	50 / 60Hz				
AC grid frequency range	50 / 60Hz (+/-5Hz)				
Max. output current	17A	20A	24A	27A	32A
Power factor	0,8 leading - 0,8 lagging				
THDI	< 3%				
AC connection	3W + N + PE/3W + PE				
Topology	Transformer-less				
<b>— Efficiency</b>					
Max. efficiency			98%		
Euro efficiency	97,5%		97,5%		
<b>— Protection devices</b>					
AC leakage current fault protection	Yes				
Ground fault protection	Yes				
Anti-islanding protection	Yes				
DC overvoltage protection	Yes				
DC surge protection	Yes				
AC surge protection	Yes				
DC reverse-polarity protection	Yes				
<b>— Physical</b>					
Dimensions (WxLxD) in mm	553 x 715 x 228				
Weight	35kg		39kg		
<b>— Environment</b>					
Operating temperature range	-25°C to +60°C				
Noise emission (typical)	≤ 40dB				
Cooling type	Nature cooling				
Protection rating	IP65				
<b>— Features</b>					
LCD display	Yes				
Interfaces	RS485				

INVERTER