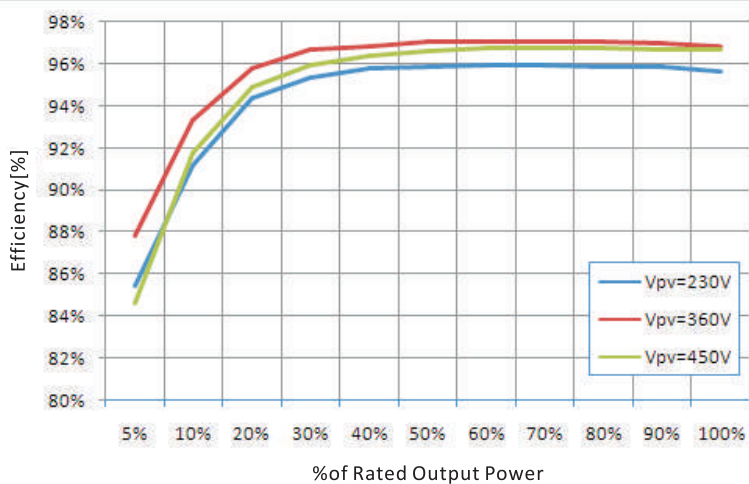


VEICHI SOLAR INVERTER 1-Phase String Inverter

>> 1100TL/1600TL/2200TL/2700TL/3000TL



Efficiency Curve

High-yield

- Max 97.2% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

All in one, flexible and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection
- Interface selection – Wi-Fi / RS485 / GPRS
- 4" LCD display

Low maintenance cost

- Detachable cover for easy installation
- Rust-free Aluminum covers
- Flexible monitoring solution
- Multi function relay can be configured to show various inverter information

Intelligent grid management

- Reactive power capability
- Self power reducer when over frequency
- Remote active/reactive power limit control

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| Technical Data | | SIS 1100TL | SIS 1600TL | SIS 2200TL | SIS 2700TL | SIS 3000TL |
|-------------------------------------|--|------------|------------|------------|------------|------------|
| Input(DC) | | | | | | |
| Max.Input Power | 1100W | | 1600W | 2200W | 2700W | 3000W |
| Number of MPPT/String per MPPT | 1/1 | | | | | |
| Max. input voltage | 450V | | | 500V | | 550V |
| Start-up input voltage | 100V | | | 120V | | |
| Rated input voltage | 360V | | | | | |
| MPPT voltage range | 80-450 V | | | 100-500 V | | 100-550 V |
| Full load DC voltage range | 110-450 V | 165-450 V | | 170-500 V | 200-500 V | |
| Max. input current | 10A | | | 13A | 13.5A | 15A |
| Output(AC) | | | | | | |
| Rated Power | 1000VA | 1500VA | 2000VA | 2500VA | 2900VA | |
| Max.AC Power | 1000VA | 1500VA | 2000VA | 2500VA | 2900VA | |
| Max.AC Output Current | 4.5A | 7A | 9.5A | 11.5A | 13A | |
| Nominal Grid Voltage | 230V | | | | | |
| Grid Voltage Range | 180~270 V(According to local standard) | | | | | |
| Nominal Frequency | 50/60Hz | | | | | |
| Grid frequency Range | 47~53 / 57~63Hz (According to local standard) | | | | | |
| THDi | <3% | | | | | |
| Power factor | 1 (adjustable +/-0.8) | | | | | |
| Grid connection | Single phase | | | | | |
| Power Limit export | Zero export or adjustable power limit export | | | | | |
| Efficiency | | | | | | |
| Max.efficiency | 97% | | | 97.1% | | 97.2% |
| Euro efficiency | 95.2% | 95.9% | 96.1% | 96.4% | 96.5% | |
| MPPT adaptation efficiency | >99.5% | | | | | |
| Standard | | | | | | |
| EMC | EN 61000-6-1,EN 61000-6-2,EN 61000-6-3,EN 61000-6-4 | | | | | |
| Safety standards | IEC 62109-1,IEC 62109-2 | | | | | |
| Grid standards | AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN50438, G83/2, C10/11, RD1699 | | | | | |
| Protection | | | | | | |
| Anti-Islanding Protection | Yes | | | | | |
| DC Reverse Polarity Protection | Yes | | | | | |
| Over Temp Protection | Yes | | | | | |
| Leakage Current Protection | Yes | | | | | |
| Over Voltage Protection | Yes | | | | | |
| Over Current Protection | Yes | | | | | |
| Earth Fault Protection | Yes | | | | | |
| Communication | | | | | | |
| Standard Communication Mode | wifi,RS485,GPRS(optional),SD card | | | | | |
| Operation Data Storage | 25 years | | | | | |
| I/O | Yes | | | | | |
| General Date | | | | | | |
| DC Switch | optional | | | | | |
| Ambient temperature range | -25°C...+60°C | | | | | |
| Topology | Transformerless | | | | | |
| Cooling | Natural | | | | | |
| Allowable relative humidity range | 0...95% no condensing | | | | | |
| Max.operating altitude | 2000m | | | | | |
| Noise | <25db@1m | | | | | |
| Degree of Protection(per IEC 60529) | IP65 | | | | | |
| Dimension | 405*314*135mm | | | | | |
| Weight | 11kg | | | 12kg | | |
| Self-consumption at night | <1w | | | | | |
| Display | LCD display | | | | | |
| Warranty | 5 years | | | | | |