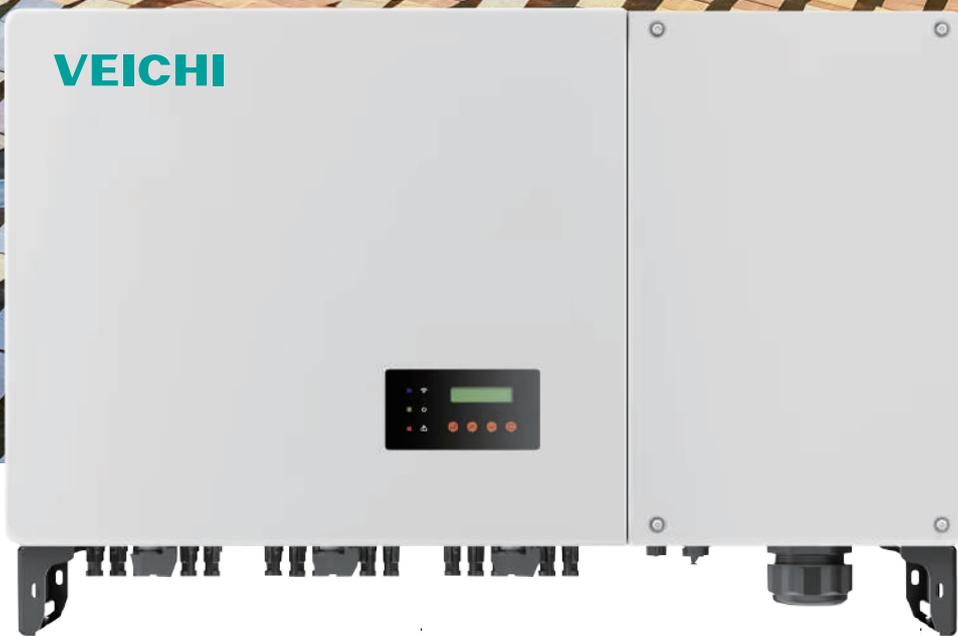


VST-100K/110K



Higher Yield

98.8% max efficiency; 9 MPPTs design with precise MPPT algorithm



Higher Quality

IP66 ingress protection; Efficient heat dissipation; Uvioresistant; Corrosion resistant



Communications

Wifi, 4G, GPRS, Bluetooth, RS485; Remote monitoring



Compatibility

AC output voltage 312V to 520V adjustable, compatible with the grids of most countries; Higher DC max input voltage and current



Easy to use

Multiple ways of testing and commissioning; Easy to install



Safety

Ground fault monitoring; Thunder-proof and low radiance

| Model | VST-100K | VST-110K |
|--|---|----------|
| DC Input Data | | |
| Recommended max. PV power(KW) | 150 | 165 |
| Max. input voltage(V) | | |
| Start-up voltage(V)/ Min. input DC operation voltage(V) | | |
| MPPT voltage range(V) | | |
| Max. input current(A) | 9*40 | |
| Max. short circuit current(A) | 9*60 | |
| MPPT number | 9 | |
| Strings number per MPPT/Total Strings | 2/18 | |
| AC output Data | | |
| Rated output power(KW) | 100 | 110 |
| Rated/Max. apparent output power(KVA) | 100/100 | 110/110 |
| Max. active power(KW) | 100 | 110 |
| Rated grid output current(A) | 144.9 | 159.4 |
| Max. output current(A) | 144.9 | 159.4 |
| Rated grid voltage/range(V) (3P/N/PE) | 220/380, 230/400, 240/415, 312~520 | |
| Rated grid frequency(Hz) | 50/60 | |
| Power Factor | >0.99, (-0.8 to +0.8 adjustable) | |
| THDi | < 3% | |
| Efficiency | | |
| Max. efficiency | 98.80% | |
| EU efficiency | 98.30% | |
| Protection | | |
| Ground fault monitoring | Yes | |
| Output over voltage protection | Yes | |
| Anti-islanding protection | Yes | |
| Integrated AFCI | Optional | |
| DC reverse-polarity protection | Yes | |
| Over voltage category | AC ClassIII/PV ClassII | |
| General Data | | |
| Dimension(mm) (W*H*D) | 1020*696*300 | |
| Shell material | Aluminium alloy | |
| Noise Emission(dB(A)) | ≤40 | |
| Weight(Kg) | 65 | |
| Operating ambient temperature range | -25~60 C | |
| Topology | Transformerless | |
| Ingress protection | IP66 | |
| Cooling concept | Smart fan&Natural convection | |
| Max. operation altitude(m) | 3000 | |
| Grid connection standard | AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161 | |
| Safety/EMC standard | IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004 | |
| DC connection | MC4/D4 | |
| Communications | Wifi(2.4G), 4G, GPRS, Bluetooth, RS485 | |