

VEICHI

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 ℃	
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, CEIO-21, CEIO-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	