VEICHI

VST-(75-110)K

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

Light weigh and smaller size;
Easy to install;

Safety

Ground fault monitoring;
Thunder-proof and low radiance

Model	VST-75K	VST-80K	VST-90K	VST-100K	VST-110K
DC Input Data					
Recommended max. PV power(KW)	112.5	120	135	150	165
Max. input voltage(V)	1100V(Recommended 1000V)				
Start-up voltage(V)/ Min. input DC operation voltage(V)	50/40				
MPPT voltage range(V)	100V-1080V(Recommended 100V-900V)				
Max. input current(A)	7*40		9*40		
Max. short circuit current(A)	7*60		9*60		
MPPT number	7		9		
Strings number per MPPT/Total Strings	2/14		2/18		
AC output Data					
Rated output power(KW)	75	80	90	100	110
Rated/Max. apparent output power(KVA)	75/75	80/80	90/90	100/100	110/110
Max. active power(KW)	75	80	90	100	110
Rated grid output current(A)	108.7	115.9	130.4	144.9	159.4
Max. output current(A)	108.7	115.9	130.4	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, 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				