VEICHI

VST-(40-60)K

Higher Yield

98.8% max efficiency;
Up to 6 MPPTs

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-40K	VST-50K	VST-60K
DC Input Data			
Recommended max. PV power(KW)	60	75	90
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)	4*40	5*40	6*40
Max. short circuit current(A)	4*60	5*60	6*60
MPPT number	4	5	6
Strings number per MPPT/Total Strings	2/8	2/10	2/12
AC output Data			
Rated output power(KW)	40	50	60
Rated/Max. apparent output power(KVA)	40/40	50/50	60/60
Max. active power(KW)	40	50	60
Rated grid output current(A)	58	72.5	87
Max. output current(A)	58	72.5	87
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)	700*519*270		
Shell material	Aluminium alloy		
Noise Emission(dB(A))	≤40		
Weight(Kg)	45		
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		