

VEICHI

VST-40K/50K/60K

VEICHI



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

Multiple ways of testing and commissioning;
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)		1100	
Start-up voltage(V)/ Min. input DC operation voltage(V)		50/40	
MPPT voltage range(V)		100~1000	
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	