VEICHI

VST-(12-20)K-M3

Higher Yield

98.8% max efficiency; 3 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-12K-M3	VST-15K-M3	VST-18K-M3	VST-20K-M3
DC Input Data				
Recommended max. PV power(KW)	18	22.5	27	30
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)	18/18/36	18/18/36	18/18/36	18/18/36
Max. short circuit current(A)	22/22/44	22/22/44	22/22/44	22/22/44
MPPT number	3			
Strings number per MPPT	1/1/2	1/1/2	1/1/2	1/1/2
AC output Data				
Rated output power(KW)	12	15	18	20
Rated/Max. apparent output power(KVA)	12/12	15/15	18/18	20/20
Max. active power(KW)	12	15	18	20
Rated grid output current(A)	17.4	21.7	26.1	29
Max. output current(A)	17.4	21.7	26.1	29
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)	462*453*249			
Shell material	Aluminium alloy			
Noise Emission(dBA)	≤40			
Weight(Kg)	15.2			
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			