VEICHI

VST-(15-20)K-PM3
VST-(22-30)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-15K-PM3	VST-18K-PM3	VST-20K-PM3	VST-22K-M3	VST-25K-M3	VST-30K-M3
DC Input Data						
Recommended max. PV power(KW)	22.5	27	30	33	37.5	45
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)	36/36/36	36/36/36	36/36/36	36/36/36	36/36/36	36/36/36
Max. short circuit current(A)	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44
MPPT number	3	3	3	3	3	3
Strings number per MPPT	2/2/2	2/2/2	2/2/2	2/2/2	2/2/2	2/2/2
AC output Data						
Rated output power(KW)	15	18	20	22	25	30
Rated/Max. apparent output power(KVA)	15/15	18/18	20/20	22/22	25/25	30/30
Max. active power(KW)	15	18	20	22	25	30
Rated grid output current(A)	21.7	26.1	29	31.9	36.2	43.5
Max. output current(A)	21.7	26.1	29	31.9	36.2	43.5
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)	488*472*172					
Shell material	Aluminium alloy					
Noise Emission(dB(A))	≤40					
Weight(Kg)	21					
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					