VEICHI

VSS(3-6)K-M2

Higher Yield

98.6% max efficiency; 2 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 180V to 300V 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; No fan,noiseless

Safety

Ground fault monitoring; Thunder-proof and low radiance

Model	VSS-3K-M2	VSS-3.6K-M2	VSS-4K-M2	VSS-4.6K-M2	VSS-5K-M2	VSS-6K-M2
DC Input Data						
Recommended max. PV power(KW)	4.5	5.4	6	6.9	7.5	9
Max. input voltage(V)	600					
Start-up voltage(V)/ Min. input DC operation voltage(V)	40/30					
MPPT voltage range(V)	80~580					
Max. input current(A)	18/18					
Max. short circuit current(A)	22/22					
MPPT number	2					
Strings number per MPPT	1/1					
AC output Data						
Rated output power(KW)	3	3.6	4	4.6	5	6
Rated/Max. apparent output power(KVA)	3/3	3.6/3.6	4/4	4.6/4.6	5/5	6/6
Max. active power(KW)	3	3.6	4	4.6	5	6
Rated grid output current(A)	13.0	15.7	17.4	20.0	21.7	26.0
Max. output current(A)	13.0	15.7	17.4	20.0	21.7	26.0
Rated grid voltage/range(V) (L/N/PE)	220/230/240/180~300					
Rated grid frequency(Hz)	50/60					
Power Factor	>0.99, (-0.8 to +0.8 adjustable)					
THDi	＜3%					
Efficiency						
Max. efficiency	98.60%					
EU efficiency	98.10%					
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)	341*350*159					
Shell material	Aluminium alloy					
Weight(Kg)	10					
Operating ambient temperature range	-25~60℃					
Noise Emission(dB(A))	≤20					
Topology	Transformerless					
Ingress protection	IP 66					
Cooling concept	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					