VEICHI

VSS-(6-10)K-M3

Higher Yield

98.6% 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 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;

Safety

Ground fault monitoring;
Thunder-proof and low radiance

Model	VSS-6K-M3	VSS-7K-M3	VSS-8K-M3	VSS-9K-M3	VSS-10K-M3
DC Input Data					
Recommended max. PV power(KW)	9	10.5	12	13.5	15
Max. input voltage(V)	600				
MPPT voltage range(V)	80~580				
Max. input current(A)	18/18/18	18/18/18	18/18/18	18/18/36	18/18/36
Start-up voltage(V)/ Min. input DC operation voltage(V)	40/30				
Max. short circuit current(A)	22/22/22	22/22/22	22/22/22	22/22/44	22/22/44
MPPT number	3				
Strings number per MPPT	1/1/1	1/1/1	1/1/1	1/1/2	1/1/2
AC output Data					
Rated output power(KW)	6	7	8	9	10
Rated/Max. apparent output power(KVA)	6/6	7/7	8/8	9/9	10/10
Max. active power(KW)	6	7	8	9	10
Rated grid output current(A)	26	30.4	34.8	39.1	43.5
Max. output current(A)	26	30.4	34.8	39.1	43.5
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)	411*401*162				
Shell material	Aluminium alloy				
Weight(Kg)	14		14.2		
Operating ambient temperature range	-25~60℃				
Noise Emission(dB(A))	≤20				
Topology	Transformerless				
Ingress protection	IP66				
Cooling concept	Natural convection		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				