



Higher Input

Industry-leading input capacity "Up to 18A".



Low Voltage startup

40V Startup



Easy to install

Light Weight and Compact size



Compatibility

Wide MPPT & AC voltage range



Highest Quality

Efficient heat dissipation



Communication

Wifi, GPRS, Bluetooth, Rs485

3.3 KW Mini Single Phase

DATASHEET

PVBSM3.3K-M1	
Model	3.3 KW
DC Input	
Recommended max. PV power (KW)	4.95 KW
Max. input voltage (V)	600 V
Start-up voltage/Min. input DC operation voltage (V)	40 V/30 V
MPPT voltage range (V)	80 V~580 V
Max. input current/Max MPPT input current (A)	18 A
Max. short circuit current/Max MPPT short circuit current (A)	22 A
MPPT number	1
String number per MPPT	1
AC Output	
Rated output power (KW)	3.3 KW
Rated/Max. apparent output power(KVA)	3.3 KVA/3.3 KVA
Max. active power (KW)	3.3 KW
Rated grid output current (A)	14.3 A
Max. output current (A)	14.3 A
Rated grid voltage (L/N/PE) (V)	230 V
Rated grid frequency (Hz)	50 Hz
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging
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
Overvoltage category	AC Class III/PV Class II
General Data	
Dimension (W*H*D) (mm)	320*220*152.5 mm
Shell material	Aluminium alloy
Weight (Kg)	6.5 Kg
Operating ambient temperature range (°C)	-25~60 °C
Noise emission (dB(A))	≤20 dB(A)
Topology	Transformerless
Ingress protection	IP66
Cooling concept	Natural Convection
Max. operation altitude(m)	3000 m
Grid connection standard	IEC 61727/ IS 16169:2014, AS/NZS 4777.2:2020
Safety/EMC standard	IEC-62109-1/-2, IEC-61000-6-1/-2/-3/-4
Display	LCD
DC connection	MC4/D4
Communications	WiFi(2.4G), GPRS, 4G, Bluetooth, Rs485

Specifications are subject to change without prior notice due to constant improvement in design and technology.