



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 - 6 KW Single Phase

DATASHEET

	PVBS3KPro-M1	PVBS4KPro-M1	PVBS4.6KPro-M1	PVBS5K-M1	PVBS6K-M1
	3 KW	4 KW	4.6 KW	5 KW	6 KW
DC Input					
Recommended max. PV power (KW)	4.5 KW	6 KW	6.9 K	7.5 KW	9 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/18 A				
Max. short circuit current/Max MPPT short circuit current (A)	22 A/22 A				
MPPT number	2				
String number per MPPT	1/1				
AC Output					
Rated output power (KW)	3 KW	4 KW	4.6 KW	5 KW	6 KW
Rated/Max. apparent output power(KVA)	3 KVA/3 KVA	4 KVA/4 KVA	4.6 KVA/4.6 KVA	5 KVA/5 KVA	6 KVA/6 KVA
Max. active power (KW)	3 KW	4 KW	4.6 KW	5 KW	6 KW
Rated grid output current (A)	13.0 A	17.4 A	20.0 A	21.7 A	26.0 A
Max. output current (A)	13.0 A	17.4 A	20.0 A	21.7 A	26.0 A
Rated grid voltage (L/N/PE) (V)	230 V / 180V / 300V				
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)	350*340*156 mm				
Shell material	Aluminium alloy				
Weight (Kg)	10 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.