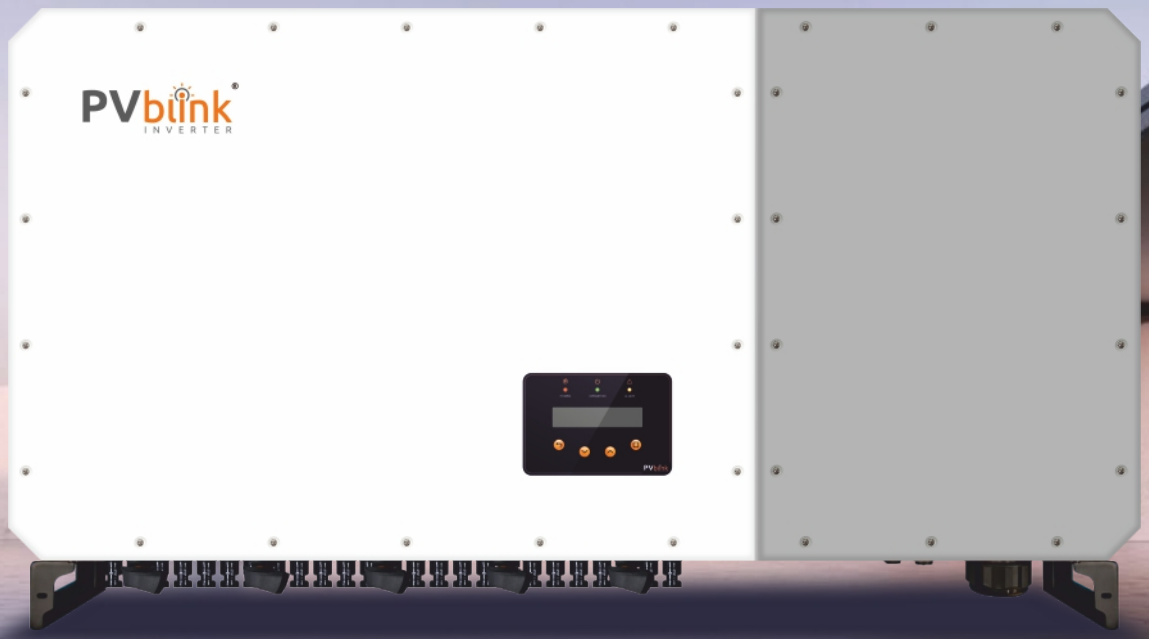
PVblink®
INVERTER

Innovation just got Brighter!



PVBT80-125K-M2

80K - 100K - 110K - 125K

MAKE IN INDIA

Complete स्वदेशी

- 50% Overloading Capacity
- 10 Intelligent MPPT
- 10% Max. AC O/P Capacity
- Max Efficiency 98.6%
- Anti PID Function
- Intelligent String Monitoring
- IP66 Protection
- Night SVG Function

80 - 125 kW

DATASHEET

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80-125 KW Datasheet

Model	PVBT80K-M2	PVBT100K-M2	PVBT110K-M2	PVBT125K-M2
	80 KW	100 KW	110 KW	125 KW
DC Input				
Max. input voltage (V)	1100 V			
Start-up voltage (V)	180 V			
Rated input voltage (V)	600 V			
MPPT voltage range (V)	160 V~1000 V			
Max. input current / MPPT (A)	4 x (42/36) A	5 x (42/36) A		
Max. short circuit current / MPPT (A)	50 A			
MPPT number	8	10		
Numbers of String	16	20		
AC Output				
Rated output power (KW)	80 KW	100 KW	110 KW	125 KW (@415V, 50°C)
Rated/Max. apparent output power(KVA)	80 KVA/88 KVA	100 KVA/110 KVA	110 KVA/121 KVA	125 KVA/125 KVA (@415V, 50°C)
Max. active power (KW)	88 KW	110 KW	121 KW	125 KW (@415V, 50°C)
Rated grid output current (A)	121.6/115.5 A	144.3 A	158.8 A	180.4 A
Max. output current (A)	133.7 A	158.8 A	174.6 A	180.4 A
Rated grid voltage (3L/N/PE) (V)	220/380, 230/400 V			230/400, 240/415 V
Rated grid frequency (Hz)	50 Hz			
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging			
THDi	<3%			
Efficiency				
Max. efficiency	98.6%			
EU efficiency	98.2%			
Protection				
Residual current detection	Yes			
Output over voltage protection	Yes			
Anti-islanding protection	Yes			
Strings monitoring	Yes			
DC reverse-polarity protection	Yes			
Temperature protection	Yes			
Insulation resistance monitoring	Yes			
Integrated DC switch	Yes			
Integrated PID recovery	Optional**			
Short circuit protection	Yes			
Overvoltage category	AC Class Ⅲ/PV Class Ⅱ			
General Data				
Dimension (W*H*D) (mm)	1060 x 585 x 375 mm*			
Shell material	Aluminium alloy			
Weight (Kg)	100 Kg*			
Operating ambient temperature range (℃)	-25~60 ℃			
Noise emission (dB(A))	≤80 dB(A)			
Topology	Transformerless			
Ingress protection	IP66			
Cooling concept	Intelligent fan-cooling			
Max. operation altitude(m)	4000 m			
Grid connection standard	IEC 61727, IEC 62116/ IS 16169, AS/NZS 4777.2:2020			
Safety/EMC standard	IEC 62109-1, IEC 62109-2/IS 16221-2, IEC-61000-6-1/-2/-3/-4			
Display	LCD			
DC connection	MC4/D4			
Communications	WiFi, 4G, GPRS, Rs485			

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

*Approx **when the night time PID-Recovery function is integrated, the night time var compensation function can not be used. Also, the negative grounding option is not available for inverters with night time PID-Recovery function.