PVblink®
INVERTER

Innovation just got Brighter!



PVBT40-60K-M2

40K - 50K - 60K

MAKE IN INDIA

Complete स्वदेशी

- 50% Overloading Capacity
- 5 Intelligent MPPT
- Max Efficiency 98.5%
- Anti PID Function
- Intelligent String Monitoring
- IP66 Protection
- Night SVG Function

40 - 60 kW

DATASHEET

www.pvblink.com

info@pvblink.com

40-60 KW Datasheet

Model	PVBT40K-M2	PVBT50K-M2	PVBT60K-M2
	40 KW	50 KW	60 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)	180 V~1000 V		
Max. input current / MPPT (A)	42 A		
Max. short circuit current / MPPT (A)	52.5 A		
MPPT number	4	4	5
Numbers of String	8	8	10
AC Output			
Rated output power (KW)	40 KW	50 KW	60 KW
Rated/Max. apparent output power(KVA)	40 KVA/40 KVA	50 KVA/50 KVA	60 KVA/60 KVA
Max. active power (KW)	40 KW	50 KW	60 KW
Rated grid output current (A)	60.8/57.7 A	76.0/72.2 A	91.2/86.6 A
Max. output current (A)	60.8 A	76 A	91.2 A
Rated grid voltage (3L/N/PE) (V)	220/380, 230/400		
Rated grid frequency (Hz)	50 Hz		
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging		
THDi	<3%		
Efficiency			
Max. efficiency	98.5%		
EU efficiency	98.1%		
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)	525 x 655 x 350 mm*		
Shell material	Aluminium alloy		
Weight (Kg)	40 Kg*		
Operating ambient temperature range (℃)	-25~60 ℃		
Noise emission (dB(A))	≤55 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.