



### Higher Input

Industry-leading input capacity "Up to 36A".



### 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

15 – 30 KW Three Phase

# DATASHEET

	PVBT15KPro-M1	PVBT18KPro-M1	PVBT20KPro-M1	PVBT22K-M1	PVBT25K-M1	PVBT30K-M1
	15 KW	18 KW	20 KW	22 KW	25 KW	30 KW
<b>DC Input</b>						
Recommended max. PV power (KW)	22.5 KW	27 KW	30 KW	33 KW	37.5 KW	45 KW
Max. input voltage (V)	1100 V					
Start-up voltage/Min. input DC operation voltage (V)	50 V/40 V					
MPPT voltage range (V)	100 V-1080 V					
Max. input current/Max MPPT input current (A)	36 A/36 A/36 A					
Max. short circuit current/Max MPPT short circuit current (A)	44 A/44 A/44 A					
MPPT number	3					
String number per MPPT	2/2/2					
<b>AC Output</b>						
Rated output power (KW)	15 KW	18 KW	20 KW	22 KW	25 KW	30 KW
Rated/Max. apparent output power(KVA)	15 KVA/15 KVA	18 KVA/18 KVA	20 KVA/20 KVA	22 KVA/22 KVA	25 KVA/25 KVA	30 KVA/30 KVA
Max. active power (KW)	15 KW	18 KW	20 KW	22 KW	25 KW	30 KW
Rated grid output current (A)	21.7 A	26.1 A	29 A	31.9 A	36.2 A	43.5 A
Max. output current (A)	21.7 A	26.1 A	29 A	31.9 A	36.2 A	43.5 A
Rated grid voltage (L/N/PE) (V)	220/380, 230/400					
Rated grid frequency (Hz)	50/60 Hz					
Power Factor	>0.99, 0.8 leading ~ 0.8 lagging					
THDi	<3%					
<b>Efficiency</b>						
Max. efficiency	98.80%					
EU efficiency	98.30%					
<b>Protection</b>						
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					
<b>General Data</b>						
Dimension (W*H*D) (mm)	488*472*172 mm					
Shell material	Aluminium alloy					
Weight (Kg)	21 Kg					
Operating ambient temperature range (°C)	-25~60 °C					
Noise emission (dB(A))	≤40 dB(A)					
Topology	Transformerless					
Ingress protection	IP66					
Cooling concept	External fan-cooling					
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.