

Commercial & Power Plants BNT series

# BNT

9.9 kW

# ATON

Series

## Smart | Safety | Efficient



The Afore BNT Series Three-phase string inverters are designed for residential and small commercial PV system applications, rating from 3kW to 25kW. All models have unibody housings with aluminum structure which is anodized, increasing durability and effectively prevents corrosion. Equipped with external inductors, the unibody housings can ensure efficient heat dissipation, which significantly improves the reliability and extends the life of the inverters.

Communication implements are via the Wi-Fi module (can be changed to Ethernet / GPRS). Check the system status anytime and anywhere via online portal or APP.

-  Quick Arc Fault circuit interruption (Optional)
-  WIFI standard
-  Compact design
-  Multiple intelligent protections
-  Compatible with bifacial modules
-  String level monitoring



**MPPT Range**  
Wide MPPT Range



**PV OVERSIZE**  
1.5 Times PV Oversize



**DC 1100V**  
Max. DC 1100V



**UNIBODY**  
One-piece  
Aluminum Housing



**PROTECTION**  
Build-in SPD Type II



**SMART**  
Smart IV Curve Scanning



**UPDATE**  
Remote Firmware Update

直流输入	PV 输入	直流入力	BNT9.9KTL
最大直流输入功率 (kW)	Max. DC Input Power (kW)	最大入力効率 (kW)	15
推荐直流输入电压 (V)	Rated DC Input Voltage (V)	定格入力電圧 (V)	400
直流输入电压范围 (V)	DC Input Voltage Range (V)	入力電圧範囲 (V)	150-700
MPPT 工作范围 (V)	MPPT Voltage Range (V)	MPPT電圧範囲 (V)	150-600
启动电压 (V)	Start-up Voltage (V)	起動電圧 (V)	160
最大直流输入电流 (A)	Max. DC Input Current (A)	最大入力電流 (A)	32*2
MPPT追踪数	Nr. of MPPT Tracker	MPPT回路数	2
交流输出	AC Output	交流出力	
额定输出功率 (VA)	Nominal AC Output Power (VA)	定格出力 (VA)	9900
额定AC电流 (A)	Nominal AC Output Current (A)	定格電流 (A)	28.3
最大AC电流 (A)	Max. AC Output Current (A)	最大電流 (A)	30
额定AC电压 (V)	Nominal AC Voltage (V)	定格電圧 (V)	202
额定AC频率 (Hz)	Nominal AC Frequency (Hz)	定格周波数 (Hz)	50 / 60
功率因数	Power Factor	力率	1
电流总谐波失真	THD(Current)	電流歪率	<3%
效率	Efficiency	電力変換効率	
最大效率	Max. Efficiency	最大変換効率	98.30%
保护功能	Protection	保護機能	
反接保护	Reverse Polarity Protection	逆極性防止試験	Yes
过流/过压保护	Over Current/Voltage Protection	過電流/過電圧保護	Yes
反孤岛保护	Anti-islanding Protection	単独運転防止の保護	Yes
AC短路保护	AC Short-circuit Protection	交流短絡保護	Yes
漏电流保护	Leakage Current Detection	漏洩電流検出	Yes
接地保护	Ground Fault Monitoring	接地故障の監視	Yes
电网监测	Grid Monitoring	送電網監視	Yes
防护等级	Enclosure Protect Level	防水防塵保護等級	IP65
一般信息	General Data	一般情報	
尺寸 [长/宽/厚] (mm)	Dimensions [W/H/D] (mm)	外形寸法[W/H/D] (mm)	460 x 370 x 170
重量 (kg)	Weight (kg)	質量(kg)	23
拓扑	Topology	トポロジー	transformerless
散热方式	Cooling Concept	放熱方式	intelligent cooling
相对湿度	Relatively Humidity	使用周囲湿度	0-100%
环境温度范围 (°C)	Operating Temperature Range (°C)	使用周囲温度 (°C)	-25~60
海拔 (m)	Operating Altitude (m)	使用標高 (m)	< 4000
噪音 (dB)	Noise Emission (dB)	騒音 (dB)	<40
待机消耗(W)	Standby Consumption (W)	スタンバイ消費(W)	< 5
显示与通讯接口	Display & Communication Interfaces	インターフェイス	LCD, LED, RS485, Wi-Fi, CAN