



MAXPOWER

PV TECH 5000

SINGLE PHASE HYBRID INVERTER

PRODUCT FEATURES

- Wide MPPT Range
- Single AC Output
- Wifi Monitoring (Optional)
- Lithium ion & Lead Acid Battery Supported
- IP21 Protection degree
- Max PV Input 5000W
- Battery VDC 24V
- Rated Capacity (3.6KW)
- Workable Without Battery
- Reserved Communication Port For BMS
- Programable Supply Priority For PV, Battery or Grid

MODEL	PV Tech 5000
AC Input	
Rated Input Voltage (VAC)	208 / 220/230 / 240; L + N + PE
Voltage Range (VAC)	90-280±3 (normal mode); 170-280±3 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
AC Output	
Rated Capacity (KW)	3.6
Surge Power (KVA)	5.7
Voltage (VAC)	208/220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s @ 102%-110% load; 10s@ 110%-130% load; 3s@ 130%-150% load ; 0.2s@>150% load
Max. Efficiency (Battery Mode)	92.7%@ 24VDC
Parallel Quantity	NA
Charger (PV/AC)	
Solar Charger Type	MPPT
Max PV input current / power	18A / 5000W
MPPT Range@ Operating Voltage (VDC)	40 - 450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	100
Max AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A) Battery	100
Battery	
Rated Voltage (VDC)	24
Floating Charge Voltage (VDC)	27
Overcharge Protection (VDC)	30.5
Battery Type	Lithium ion and Lead - acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C-50 °C
Relative Humidity	5%-95% (Non-condensing)
Storage Temperature	-15 °C-60 °C
Net Weight (kg)	6.4
Dimensions (W*H*D)	420 *284*94 mm
Max. Operating Altitude Activation	4000m (Derating above 1000m)

* Product specifications are subject to change without prior notice for continuous improvement