



MAXPOWER

# PV-TECH 15000

SINGLE PHASE HYBRID INVERTER



## PRODUCT FEATURES

- Built-in 160A solar charger
- MPPT range@ Operating voltage range 60-450V
- 27A+27A max pv input
- Built in wifi monitoring (optional)
- feed-in to grid
- 5 inch Display
- Dual MPPTs input
- Dual AC output
- Support lithium/ lead-acid battery
- Built-In Load Monitoring Function

MODEL	PV Tech 15000
<b>AC Input</b>	
Rated Input Voltage (VAC)	220 / 230/240; L + N + PE
Voltage Range (VAC)	90-280(APP/GEN mode); 170-264 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
<b>AC Output</b>	
Rated Capacity (kVA/kW)	12
Surge Power (KVA)	24
Voltage (VAC)	220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (APP/UPS mode), 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-125%Load 10s@>125%Load
Max. Efficiency (Battery Mode)	94%@ 48VDC
Parallel Quantity	NA
<b>Charger (PV/AC)</b>	
Solar Charger Type	Dual MPPTs
Max PV input current / input power	Using one MPPT:27A/9KW Using Two MPPTs: 27A/per MPPT, 15kw/total
MPPT Range@ Operating Voltage (VDC)	60 - 450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	160
Max AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A) Battery	160
<b>Battery</b>	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium ion and Lead-acid
<b>Interface</b>	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (Optional-Internal/External)
<b>General Data</b>	
Ingress Protection	IP21
Operating Temperature	-10 °C-50 °C
Relative Humidity	5%-95% (Non-condensing)
Storage Temperature	-15 °C-60 °C
Net Weight (kg)	15
Dimensions (W*H*D)	495 *425*120 mm
Max. Operating Altitude Activation	4000m (Derating above 1000m)

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

## System Diagram

