

## MPTS SERIES INVERTER

### HYBRID INVERTERS

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 9 units



## TECHNICAL SPECIFICATIONS

MODEL		MPTS5000/48
Rated power		5000VA/5000W
INPUT		
Voltage		230 VAC
Selectable voltage range		170-280 VAC (for personal computers), 90-280 VAC (for home appliances)
Frequency range		50 Hz/60 Hz (auto sensing)
OUTPUT		
AC voltage regulation (batt. mode)		230VAC ± 5%
Surge power		10000VA
Efficiency (peak)		93%
Transfer time		10 ms (for personal computers) 20 ms (for home appliances)
Wave form		Saf sinüs dalga şekli
BATTERY		
Battery voltage		48 VDC
Floating charge voltage		54 VDC
Overcharge protection		60 VDC
SOLAR CHARGER & AC CHARGER		
Max. PV array power		4000 W
MPPT range @ operating voltage		60 VDC ~115 VDC
Max PV array open circuit voltage		145 VDC
Maximum solar charge current		80 A
Maximum AC charge current		60 A
Maximum charge current		140A
Standby power consumption		2 W
PHYSICAL		
Dimension HxWxD (mm)		468x295x120
Net weight (kg)		13,5
ENVIRONMENT		
Humidity		5% to 95% (non-condensing)
Operating temperature		0°C - 55°C
Storage temperature		-15°C - 60°C