

# Inverters

## Quantum

- Simulated sine wave inverter
- Sensitivity selector (UPS mode & inverter mode)
- Multiple display options: horizontal, vertical, and wall mount
- 12VDC or 24VDC available
- 10A / 20A standard charging current
- Auto restart while AC is recovering
- Overload and short circuit protection
- Adjustable battery charging voltage
- Generators & Computer-related devices compatible
- Three indicators available
- Cold start function
- Built-in solar charger (Option)



## Megatron

- Simulated sine wave inverter
- Sensitivity selector (UPS mode & inverter mode)
- Dual display options: horizontal and wall mount
- 12VDC or 24VDC available
- 20A standard charging current
- Auto restart while AC is recovering
- Overload and short circuit protection
- Over-temperature indicator available
- Adjustable battery charging voltage
- Generators & Computer-related devices compatible
- Eight indicators display multiple situations
- Cold start function



## Inverters Selection Guide

MODEL	Quantum 1K	Quantum 1.2K	Quantum 2K	Quantum 2.4K	Megatron 1K	Megatron 1.5K
<b>CAPACITY</b>	1000 VA / 600W	1200 VA / 720W	2000 VA / 1200W	2400 VA / 1440W	1000 VA / 1000W	1500 VA / 1500W
<b>INPUT</b>						
Voltage	220/230/240 VAC				120 VAC	
Acceptable Voltage Range	162-290 VAC				90-145VAC	
Frequency Range	50 Hz				60 Hz	
<b>OUTPUT</b>						
Voltage Regulation (Batt. Mode)	±10%				±10%	
Frequency Range (Batt. Mode)	50 Hz ± 1 Hz				60 Hz ± 1 Hz	
Transfer Time (Typical)	10 ms				10 ms	
Waveform (Batt. Mode)	Simulated Sine Wave				Simulated Sine Wave	
Peak Efficiency (AC Mode)	> 95% @ Rated R load and battery full charged				> 95% @ Rated R load and battery full charged	
<b>BATTERY</b>						
Battery Voltage	12 VDC	12 VDC	24 VDC		12 VDC	24 VDC
Floating Charge Voltage	13.4 VDC ± 2%		26.8 VDC ± 2%		13.4 VDC ± 0.2 VDC	26.8 VDC ± 0.4 VDC
Low Battery Alarm Voltage	10.5 VDC ± 2%		21.0 VDC ± 2%		10.5 VDC ± 0.4 VDC	21.0 VDC ± 0.8 VDC
Shutdown Voltage	10.0 VDC ± 2%		20.0 VDC ± 2%		10.0 VDC ± 0.4 VDC	20.0 VDC ± 0.8 VDC
Maximum Charge Current	10 A	10 A or 20 A	10 A	10 A or 20 A	20 A	
<b>PROTECTION</b>						
Full Protection	Overload and short circuit protection					
<b>INDICATORS</b>						
Display	Three LEDs				Eight LEDs	
	Indicating line mode, battery mode, charging mode, low battery, overcharge, overload, and fault				Indicating line mode, battery mode, charging mode, battery capacity, overcharge, overload, over-temperature and fault	
<b>PHYSICAL</b>						
Dimension, DxWxH(mm)	293 x 231.5 x 82.5				141.2 x 255 x 352	
Net Weight (kgs)	2.35	2.35	2.55	2.55	4.7	4.7
<b>ENVIRONMENT</b>						
Humidity	0 to 90% Relative Humidity (Non-condensing)					
Operating Temperature	0° C to 40° C					

\* Product specifications are subject to change without further notice