

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
CAPACITY	1000 VA / 600W	1200 VA / 720W	2000 VA / 1200W	2400 VA / 1440W	1000 VA / 1000W	1500 VA / 1500W
INPUT						
Voltage	220/230/240 VAC				120 VAC	
Acceptable Voltage Range	162-290 VAC				90-145VAC	
Frequency Range	50 Hz				60 Hz	
OUTPUT						
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	
BATTERY						
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	
PROTECTION						
Full Protection	Overload and short circuit protection					
INDICATORS						
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	
PHYSICAL						
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
ENVIRONMENT						
Humidity	0 to 90% Relative Humidity (Non-condensing)					
Operating Temperature	0° C to 40° C					

* Product specifications are subject to change without further notice