

D~CORE

PURE SINE WAVE INVERTER



Model (A ---with ATS)	12/1000 12/1000-A	12/1200 12/1200-A	12/1500* 12/1500-A*	24/1200 24/1200-A	24/1500 24/1500-A	24/1800* 24/1800-A*	48/1500 48/1200-A	48/2000 48/1500-A	48/2500* 48/1800-A*
Part no. (A --- with ATS)	T30101 T30101-A	T30102 T30102-A	T30103 T30103-A	T30201 T30201-A	T30202 T30202-A	T30203 T30203-A	T30301 T30301-A	T30302 T30302-A	T30303 T30303-A
Function of the apparatus	Conversion of a DC voltage to a pure AC sine wave voltage								
Technology	High Frequency								

Output (AC)

Output (AC) voltage (V)	230+/- 5%								
Output waveform	True sine wave								
THD (mix load) - total harmonic distortion	<3%								
Frequency (Hz)	50+/- 0.1%								
Continuous output power at up to 40C(VA)	1000	1200	1500	1200	1500	1800	1200	1500	1800
cos	0.8								
P10 - 10mins overload capability	120%								
P5 - 5secs overload capability	200%								
Peak power	300%								
Dynamic response time	from 0% to 100% load change, 40ms								
Max efficiency(%)	88%			90%			91%		
ATS	5ms								

Input (DC)

Nominal battery voltage(VDC)	12			24			48		
Under voltage alarm(V)	11+/- 0.5			22+/-0.5			44+/-0.5		
Under voltage shut down (V)	10.5 +/- 0.5			21+/-0.5			42+/-0.6		
Over voltage shut down (V)	15 +/- 0.5			30+/-0.5			60+/-0.7		
Current (nominal load) (A)	120	105	125	50	63	75	32	42	52
Status power consumption - standard (W)	14								
Minimum DC fuse (A)	120	140	180	70	86	105	43	58	72
Minimum DC cable (mm2)	25	30	50	16	16	25	10	10	16
Recommended battery capacity(AH)	>100	>120	>150	>120	>150	>180	>150	>180	>200

Protection

In event of short circuit	long beep alarm and shutdown
In event of inverter overtemp	long beep alarm and shutdown
In event of low battery voltage	short beep alarm and shutdown
In event of high battery voltage	long beep alarm and shutdown

Environment

Operating temp	-20 to 50C
Storage temp	-20 to 50C
Cooling	forced fan
relative humidity	<95%, non-condensing
Protection	IP20

Mechanical Data

Dimension (MM)	300x420x110
Weight (KGS)	4

Standards

LVD	EN60335-1, EN60335-2-29
EMC - emission	EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3

* The models will be launched in 2008.

