



they don't cost the earth

North Energy Systems

Grid Tied Inverter Systems



TOFTS OF TAIN, CASTLETOWN, CAITHNESS KW14 8TB
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5kW Grid Tied Inverter

Product Features:

1. DSP (Digital Signal Processing) controller
2. Using the fifth generation IPM from Mitsubishi company as the power component
3. MPPT (Maximum Power Point Tracking) technology
4. High efficiency up to 95%
5. Perfect protect functions include anti-islanding
6. In accordance with IEEE929-2000, UL1741
7. Quick and easy installation
8. LCD display for monitoring all system information
9. Can setting the operation parameters via LCD and keys
10. Suitable for small wind or Solar system Grid-connected



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Model	WG1.5K	WG3K	WG5k	WG10K	WG20K	WG30K
Inverter rated power	1.5KW	3KW	5KW	10KW	20KW	30KW
Wind turbine power	1KW	2KW	3KW	5KW (or 7.5kw)	10KW	20KW
Wind turbine voltage	48V DC	120V DC	240V DC	240V DC	240V DC	240V DC
Wind turbine frequency	30-60HZ			35-75HZ		
Wind turbine current	13.4A	22A	25A	50A	100A	120A
Inverter output current	12A	15A	15A	50A	90A	100A
Grid operating voltage				Single phase 220-240V AC or 110-130V AC ; Three phase 380-415V AC		
Grid operating frequency				47-51.5HZ or 51-72HZ		
Overload capability	120%	120%	120%	120%	120%	120%
Protection Function				Dump load ,grid voltage abnormal , wind turbine voltage abnormal , Islanding , over load, over heat, lightning proof protection		
Dimension (mm)	450*170*320	490*170*385	600*550*1200	600*550*1200	600*800*1200	600*800*1200



1kW Wind Turbine Grid Tied System

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