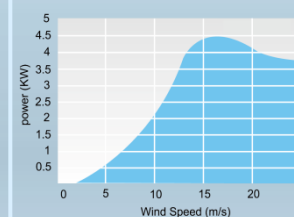
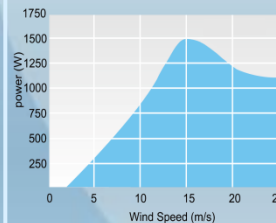
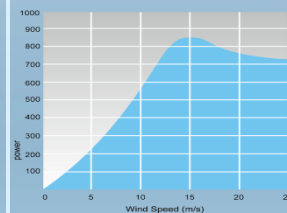
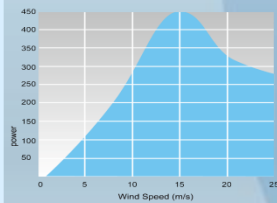


Aerofortis Ducted HAWT



Coming Soon!

Model	A-400	A-800	A-1200	A-3500	
Type	5 Blade Ducted Downwind	5 Blade Ducted Downwind	5 Blade Ducted Downwind	5 Blade Ducted Downwind	
Generator	Direct Drive Brushless Permanent Magnet	Direct Drive Brushless Permanent Magnet	Direct Drive Brushless Permanent Magnet	Direct Drive Brushless Permanent Magnet	
Output Power (Watt)	450Max	850Max	1,500Max	4,500Max	
Output Voltage (Rated)	60 Vac L-L	75 Vac L-L	75/200 Vac L-L	200 Vac L-L	
Blade Material	PGA	PGA	PGA	Carbon Fiber	
Rotor Diameter (Meter)	1.0	1.4	1.4	2.8	
Rated Wind Speed (M/S)	12.5	12.5	12.5	12.5	
Cut-in Wind Speed (M/S)	2.0	2.0	2.5	2.5	
Cut-out Wind Speed (M/S)	25	25	25	25	
Over Speed Protection	Magnetic ABS Brake	Magnetic ABS Brake	Magnetic ABS Brake	Magnetic ABS Brake	
Operational Temperature (°C)	-40~60	-40~60	-40~60	-40~60	

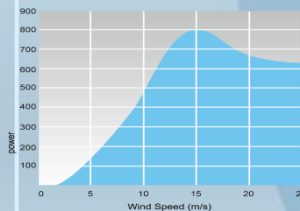


*Note: The output depends on influences such as battery and temperature, etc...
The product specifications are subject to change without notice.

Aerofortis Array Type VAWT



Model	A-600			
Type	3 Blade			
Generator	Direct Drive Brushless Permanent Magnet			
Output Power (Watt)	800Max			
Output Voltage (Rated)	200 Vac L-L			
Blade Material	Carbon Fiber			
Rotor Diameter (Meter)	2.10/2.10(Length)			
Rated Wind Speed (M/S)	12.5			
Cut-in Wind Speed (M/S)	2.5			
Cut-out Wind Speed (M/S)	25			
Over Speed Protection	Magnetic ABS Brake			
Operational Temperature (°C)	-40~60			



*Note: The output depends on influences such as battery and temperature, etc...
The product specifications are subject to change without notice.

Aerofortis Off Grid Wind-Solar Charger

Aerofortis Overview

Battery	
Self-Diagnosis Range	20-27Vdc
Charging Range	22-26.6Vdc
Pulse Charging Range	26.6-27.6Vdc
High Voltage Protection	28.8Vdc
Low Voltage Protection	22Vdc
Cut-in Discharging	24Vdc
Cut-out Discharging	22Vdc

Model	AF-600C (400W Wind)	AF-600C (200W PV)	AF-1000C (800W Wind)	AF-1000C (200W PV)	AF-1400C (1200W Wind)	AF-1400C (200W PV)
Input Type	Tri-phase AC *1	DC *1	Tri-phase AC *1	DC *1	Tri-phase AC *1	DC *1
Input Voltage Range	0 ~ 120Vac	0 ~ 120Vdc	0 ~ 120Vac	0 ~ 120Vdc	0 ~ 120Vac	0 ~ 120Vdc
Max Input Voltage	150Vac	150Vdc	150Vac	150Vdc	150Vac	150Vdc
Nominal Input	85Vac	34/100Vdc (thin film)	85Vac	34/100Vdc (thin film)	100Vac	34/100Vdc (thin film)
Nominal Input Current	4Aac	6A/2A (thin film)	7Aac	6A/2A (thin film)	10Aac	6A/2A (thin film)
Max Input Current	5Aac	7A/2.2A (thin film)	8Aac	7A/2.2A (thin film)	12Aac	7A/2.2A (thin film)
Output Voltage Range	24V ~ 27.6V 25.6V ~ 28.8V(LiFe)	24V ~ 27.6V 25.6V ~ 28.8V(LiFe)	24V ~ 27.6V 25.6V ~ 28.8V(LiFe)	24V ~ 27.6V 25.6V ~ 28.8V(LiFe)	24V ~ 27.6V 25.6V ~ 28.8V(LiFe)	24V ~ 27.6V 25.6V ~ 28.8V(LiFe)
Nominal Charge Current	17A	8.3A	34A	8.3A	50A	8.3A
Max Charge Current	19A	9A	36A	9A	55A	9A
Nominal Charge	400W	200W	800W	200W	1.2KW	200W
Efficiency	>85%	>90%	>85%	>90%	>85%	>90%
DC Out	20A	20A	20A	20A	20A	20A
MPP Tracker	*1	*1	*1	*1	*1	*1
PFC	Yes		Yes		Yes	
Protection	Over-voltage Over-current Over-RPM Extreme wind	Over-voltage Over-current	Over-voltage Over-current Over-RPM Extreme wind	Over-voltage Over-current	Over-voltage Over-current Over-RPM Extreme wind	Over-voltage Over-current
Battery Protection	Multi-protection		Multi-protection		Multi-protection	
Dump Load	400W		800W		1.2KW	
Power Consumption	< 3mA (Standby)		< 3mA (Standby)		< 3mA (Standby)	
Power Consumption	< 10W (Working)		< 20W (Working)		< 20W (Working)	
LCD Display	Multi-info	Multi-info	Multi-info	Multi-info	Multi-info	Multi-info
Communication Port	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485

*Note: The output depends on influences such as battery and temperature, etc...

The product specifications are subject to change without notice.

Aerofortis On Grid Wind-Solar Inverter

Aerofortis Overview

Model	AF-5000CX Single Phase On Grid Inverter	AF-5000CT Tri Phase On Grid Inverter
Input Type	DC *1	DC *1
Input Voltage Range	0 ~ 420Vdc	0 ~ 420Vdc
Max Input Voltage	450Vdc	450Vdc
Nominal Input	400Vdc	400Vdc
Nominal Input Current	12.5Adc	12.5Adc
Max Input Current	14Adc	14Adc
Output Voltage Range	GRID 220V 50/60Hz Single-phase	GRID 220V 50/60Hz Tri-phase
Nominal Output Current	23Aac	16.5Aac
Max Output Current	25Aac	17Aac
Nominal Output	5KW	5KW
Efficiency	97%Max	95%
MPP Tracker	*6 (Wind *3/PV *3)	*6 (Wind *3/PV *3)
PFC		
Protection	Self-diagnosis (V/Hz)/Over-load Grid cut-off/Electric shock Current leakage/Over Temperature Anti-Island	Self-diagnosis (V/Hz)/Over-load Grid cut-off/Electric shock Current leakage/Over Temperature Anti-Island
THD (Current Distortion)	<4%	<4%
Standby Power (Battery)		
Standby Power (Grid)	<2mA	<2mA
Working Power	< 30W	< 30W
LCD Display	Multi-Info	Multi-Info
Communication Port	RS-485	RS-485

*Note: The output depends on influences such as battery and temperature, etc...
The product specifications are subject to change without notice.

Aerofortis On Grid Hybrid Controller

Aerofortis Overview

Model	AF-5000WD AC/DC Wind Converter	AF-5000PV DC/DC PV Converter	AF-25KS 15KW Switch 10KW Charger
Input Type	Tri-phase AC *1	DC *3	DC *6
Input Voltage Range	0 ~ 220Vac	0 ~ 500Vdc	0 ~ 420Vdc
Max Input Voltage	250Vac	560Vdc	500Vdc
Nominal Input	200Vac	400Vdc	400Vdc
Nominal Input Current	25Aac	12.5Adc	15Adc *6
Max Input Current	28Aac	14Adc	17Adc *6
Output Voltage Range	0 ~ 420Vdc 400Vdc Nominal	0 ~ 500Vdc 400Vdc Nominal	Bus (B) 0 ~ 420Vdc Charger (C) 96Vdc
Nominal Output Current	12.5Adc	12.5Adc	37.5Adc (B)/100Adc (C)
Max Output Current	14Adc	14Adc	41Adc
Nominal Output	5KW	5KW	15KW (B)/10KW (C)
Efficiency	>95%	99%	99% (B)/85% (C)
MPP Tracker	*3	*3	
PFC	Yes		
Protection	Over-voltage Over-current Over-RPM Extreme wind	Over-voltage Over-current	Over-voltage Over-current
THD (Current Distortion)			
Standby Power (Battery)			< 1mA
Standby Power (Grid)			<2mA
Working Power	< 30W	< 30W	< 30W
LCD Display	Multi-info	Multi-info	Multi-info
Communication Port	RS-485	RS-485	RS-485

*Note: The output depends on influences such as battery and temperature, etc...
The product specifications are subject to change without notice.