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Afore New Energy Technology (Shanghai) Co., Ltd.

ANYHOME Series

Grid-connected PV Inverters

3.0kw, 3.6kw, 4.0KW, 4.5kw, 5.0kw, 5.5kw, 6.0kw output power, single phase.

High efficiency

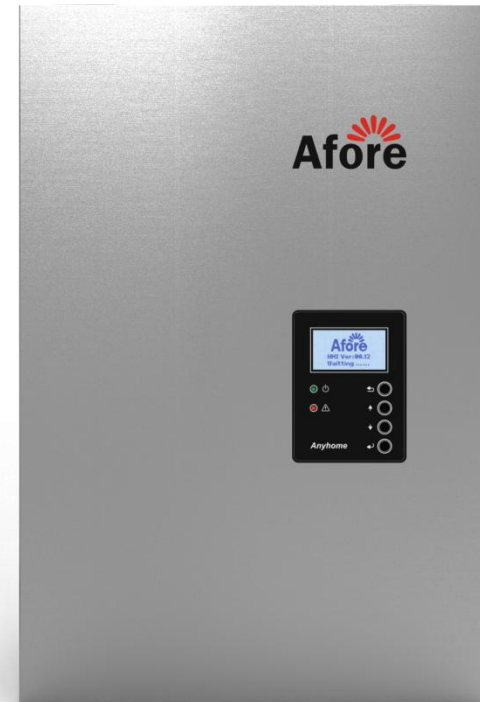
- Max. efficiency of 97.3%
- Two MPPT channels to ensure the maximum system yields

Reliability

- Island protection
- Enhanced DSP control system
- Ground-fault Circuit & Interrupters protection
- Enhanced temperature range from -20°C to 55°C
- Sealed stainless steel enclosure for outdoor installation
- Compact format, advanced thermal design

Flexibility

- Transformerless design
- Led indicator, user-friendly
- Full digital control, intelligent self protection
- Plug-in connection for all DC input and AC output, easy field wiring
- IP 65 protection allows broad outdoor applications to save indoor installation space



Afore

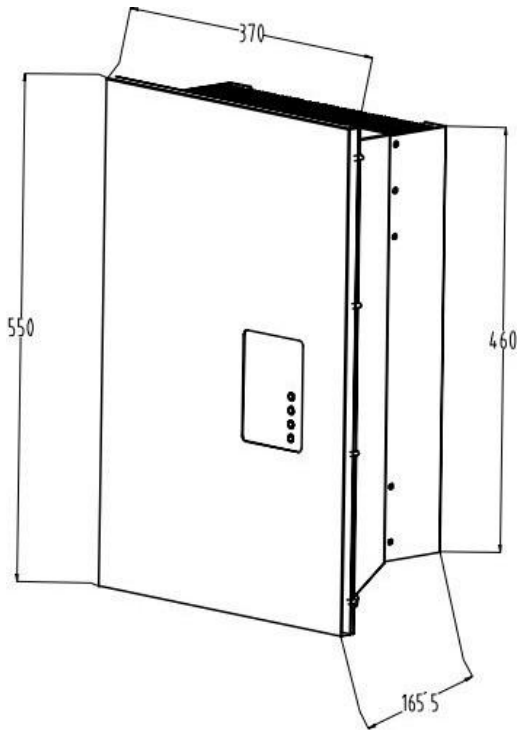
<http://www.afore.com.cn/>



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Specifications



Dimensions of
3.0kw & 3.6kw
550 × 370 × 165.5mm

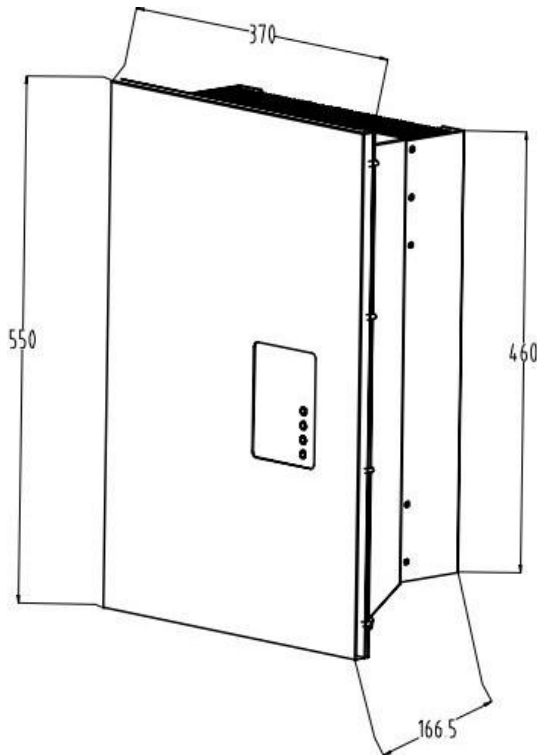
Electrical Specifications	HNS3000TL	HNS3600TL
Input		
Max. DC Power [W]	3400	4000
Max. DC Voltage [V]	550	550
MPPT Voltage Range [V]	120 - 450	120 - 450
Max. DC Current [A]	10+10	12+12
Number of MPPT Channel	2	2
Strings Per MPP Tracker	1	2
Output		
Power Connector	Single Phase	Single Phase
Max. AC Power [W]	3200	3800
Nominal AC Power [W]	3000	3600
Nominal AC Voltage / Range [V]	230 / 180~270	230 / 180~270
Nominal AC Frequency [Hz]	50	50
Max. AC Current [A]	15	18
Nominal AC Current [A]	13	16
Power Factor	0.999	0.999
Output Current THD	<3%	<3%
Power Efficiency		
Max. Efficiency	97.20%	97.20%
Euro Efficiency	96.30%	96.30%
Compliance		
Electromagnetic Compatibility	EN61000-6-1/6-3	EN61000-6-1/6-3
Anti-Islanding Protection	Internal	Internal
General Information		
Dimensions (H×W×D) [mm]	550×370×166	550×370×166
Enclosure	IP65	IP65
Weight [kg]	24	24
Ambient Temperature Range	-20 °C ~ +55 °C	-20 °C ~ +55 °C
Topology	Transformerless	Transformerless
Night Consumption [W]	<1	<1
Cooling Concept	Convection	Convection
Noise Emission [dB]	<28	<28
Elevation	Up to 1000m without derating above sea level	



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Specifications



Dimensions of
4.0kw&4.5kw
550 × 370 × 166.5mm

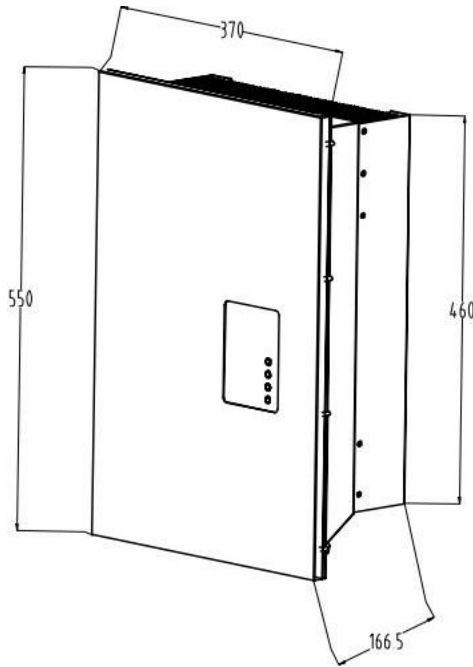
Electrical Specifications	HNS4000TL	HNS4500TL
Input		
Max. DC Power [W]	4500	5000
Max. DC Voltage [V]	550	550
MPPT Voltage Range [V]	120 - 450	120 - 450
Max. DC Current [A]	13+13	14+14
Number of MPPT Channel	2	2
Strings Per MPP Tracker	2	2
Output		
Power Connector	Single Phase	Single Phase
Max. AC Power [W]	4300	4800
Nominal AC Power [W]	4000	4500
Nominal AC Voltage / Range [V]	230 / 180~270	230 / 180~270
Nominal AC Frequency [Hz]	50	50
Max. AC Current [A]	20	22
Nominal AC Current [A]	18	20
Power Factor	0.999	0.999
Output Current THD	<3%	<3%
Power Efficiency		
Max. Efficiency	97.20%	97.20%
Euro Efficiency	96.30%	96.30%
Compliance		
Electromagnetic Compatibility	EN61000-6-1/6-3	EN61000-6-1/6-3
Anti-Islanding Protection	Internal	Internal
General Information		
Dimensions (H×W×D) [mm]	550×370×167	550×370×167
Enclosure	IP65	IP65
Weight [kg]	24	24
Ambient Temperature Range	-20 °C ~ +55 °C	-20 °C ~ +55 °C
Topology	Transformerless	Transformerless
Night Consumption [W]	<1	<1
Cooling Concept	Fan Cooling	Fan Cooling
Noise Emission [dB]	<43	<43
Elevation	Up to 1000m without derating above sea level	



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Specifications



Dimensions of
5.0kw, 5.5kw, 6.0kw
550 × 370 × 166.5mm

Electrical Specifications	HNS5000TL	HNS5500TL	HNS6000TL
Input			
Max. DC Power [W]	5600	6200	6800
Max. DC Voltage [V]	550	550	550
MPPT Voltage Range [V]	120 - 450	120 - 450	120 - 450
Max. DC Current [A]	15+15	16+16	18+18
Number of MPPT Channel	2	2	2
Strings Per MPP Tracker	2	2	2
Output			
Power Connector	Single Phase	Single Phase	Single Phase
Max. AC Power [W]	5400	6000	6500
Nominal AC Power [W]	5000	5500	6000
Nominal AC Voltage / Range [V]	230 / 180~270	230 / 180~270	230 / 180~270
Nominal AC Frequency [Hz]	50	50	50
Max. AC Current [A]	24	26	28
Nominal AC Current [A]	22	24	26
Power Factor	0.999	0.999	0.999
Output Current THD	<3%	<3%	<3%
Power Efficiency			
Max. Efficiency	97.30%	97.30%	97.30%
Euro Efficiency	96.40%	96.40%	96.40%
Compliance			
Electromagnetic Compatibility	EN61000-6-1/6-3	EN61000-6-1/6-3	EN61000-6-1/6-3
Anti-Islanding Protection	Internal	Internal	Internal
General Information			
Dimensions (H×W×D) [mm]	550×370×167	550×370×167	550×370×167
Enclosure	IP65	IP65	IP65
Weight [kg]	26	27	27
Ambient Temperature Range	-20 °C ~ +55 °C	-20 °C ~ +55 °C	-20 °C ~ +55 °C
Topology	Transformerless	Transformerless	Transformerless
Night Consumption [W]	<1	<1	<1
Cooling Concept	Fan Cooling	Fan Cooling	Fan Cooling
Noise Emission [dB]	<43	<43	<43
Elevation	Up to 1000m without derating above sea level		