

## Containerized Inverter Step-up Transformer System



### Product Features

#### Highly Integrated

- Modular design improves space utilization.
- Pre-installed and pre-engineered to reduce on-site work.
- Easy to install and transport.

#### Efficient Reliable

- Smart operation management.
- Quick fault location.
- Inverter and transformer unit optimized to improve system efficiency.
- IP 54 protection level.

#### Energy Saving Cost Down

- Inverter and transformer integrated to reduces system cost.
- Reserved interface for solar storage applications.
- Nighttime SVG function to reduce operation cost.

#### Grid-tied

- Equipped with LVRT and HVRT.
- Equipped with active and reactive four-quadrant adjustment function.

- Fast power response (<10ms).

## Equipment Parameters

Model	HYNN-1500V-3.45MW-IH	HYNN-1500V-5MW-IH	HYNN-1500V-5MW-MH
Max DC power	3450kW	5000kW	5160kW
DC voltage range	1000~1500V		
Max DC current	1897A*2	1375A*4	236A*24
DC input channels	2	4	24
Precision of current regulation	±1%		
Precision of voltage regulation	±1%		
Max AC power	3795kW	5000kW	5500kW
Rated AC current	1588A*2	1150A*4	198A*4
Rated AC voltage	690V		
AC voltage range	586~759V		
Grid frequency range	50/60Hz		
Output current (THD)	< 3% (Rated power)		
Power factor	≥0.99		
Power factor adjustable range	-1~1		
Transformer type	Dry/Oil		
Rated power	3500kVA	5100kVA	
Voltage transformation ratio	37/0.69kV		
Max efficiency	99%		
Protection level	IP 54		
Allowable environment temperature	-35℃~+60℃		