

## PCS Module

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### Product Features

#### Efficient

Three-level control, the maximum conversion efficiency reaches 99%.

#### Convenient

Modular/integrated design, easy operation and maintenance, supports parallel operation of multiple machines at AC sides.

#### Applications

Equipped with VSG, VF, PQ, black start and other functions suitable for power generation side, grid side, user side and etc.

## Grid Support

Comply with CE, GB/T34120, GB/T34133 standards.

Support high/low voltage and frequency ride-through.

Enhanced power grid adaptability.

Fast response.

VSG: Virtual Synchronous Generator; VF: Voltage and Frequency;

PQ: Active and Reactive Power Control.

## Equipment Parameters

Model	HYNN-PCS215-1500M
<b>DC parameter</b>	
Max DC input voltage	1500Vdc
DC voltage range	1000~1500Vdc
DC max current	237A
Precision of voltage regulation	±1%
Precision of current regulation	±1%
DC current ripple	≤2%
PCS topology	Single layer
<b>AC (grid-connected operation)</b>	
Rated AC output power	215kVA
Rated AC output current	180A
Rated AC output voltage	690Vac
AC output voltage range	621~759Vac (586.5~759V)
Allow grid frequency	50/60 (-5~5) Hz
THD (Rated power)	<3%
Power factor	≥0.99 (Rated power)
Power factor adjustable range	-1~1
<b>System parameter</b>	
Max efficiency	99%

System voltage format	T690V
Protection level	IP 65
Cooling	Forced cooling
Allowable environment temperature	-30°C~+55°C
Allowable relative humidity	≤95% (No dew)
Allowable max altitude	4000m (Capacity should be decreased if over 2000)
Communication	Ethernet / RS485 / CAN
Interface & protocol	Modbus TCP/RTU
Reference standards	IEC62477, IEC 61000, GB/T 34120, GB/T 34133
Size (W*L*H)	700*270*835mm
Weight	110kg