

Sinexcel

TECHNOLOGY BREAKTHROUGH

SINEXCEL PRO 150A AHF

SINEXCEL PRO 100A AHF



98.5% high efficiency

50% energy-saving comparing to legacy products, energy saving 12,972 KWH / 150A.



Innovation modular design

500W x 495D x 190Hmm, 35kg, high integration electronics design.



33% heat loss reduction

Minimize the heat effect, longer service life. Lower air volume, less fan noise.



53% ventilation volume reduction

Ventilation requirement only 390CFM, easier for higher IP rating scenarios.

SINEXCEL ELECTRIC CO. LTD

Tel : +86 0755-86511588

E-mail : ivy_li@sinexcel.com

Website : <https://en.sinexcel.com>

Add: Building 6, Baiwangxin High-Tech Industrial Park, No. 1002, Songbai Road, Nanshan District, Shenzhen, China.

Items	Sinexcel PRO AHF
Rating	100/150A
Function	harmonic, reactive power and three-phase unbalance compensation
System Parameters	
Nominal voltage	380V (-40% ~ +20%)
Nominal frequency	50/60HZ, auto sensing (Range : 45Hz~62.5Hz)
Parallel quantities	Unlimited (Recommend up to 29 unit)
Efficiency	≥98%
Connection type	3 Phase 3 Wire / 3 Phase 4 Wire
Performance Indicators	
Control algorithm	FFT, intelligent FFT, and instantaneous reactive power
Compensation Order	2nd to 50th, selectable for each order, amplitude adjustment
Compensation rate	> 99%
Response Time	Fast response Time < 50uS; Full response Time < 5ms
Target power factor	Adjustable from -1 to +1
Switching frequency	20k Hz
Cooling air requirement	about 480CFM (PWM control 10% to 100%)
Noise level	<65dB
Communications ports	RS485 and Ethernet port(RJ45) / option
Communications protocols	Modbus RTU
Module display interface	4.3-inch HMI (module), 7-inch HMI (central monitor), LED light
Protection function	over-voltage protection, under-voltage protection, inverter bridge inverse protection, over-compensation protection, and so on
Mounting type	Wall-mounted/Rack-mounted/Cabinet
Dimensions (W x D x H mm)	500*550*190
Net weight	About 39kg
Storage temperature	-40°C~70°C
Operating Ambient temperature	-20°C~40°C (may derate capacity if ambient temperature exceeds 40°C)
Relative humidity	5% to 95%, non-condensing
protection class	IP20(other IP degrees are customizable)
Qualifications	CE
Standards Compliance	IEEE519, ER G5/4, IEC 61000