

MEATH INVERTER

Standard Inverter Compressor Driver

Product Feature

High Efficiency Performance

The driver control by sensorless vector control with the Interior Permanent Magnet Motor (IPM Motor) in the wide speed range.

Customization Service

Offer best matching with customer compressor.

MODBUS@RTU Communication

Can connect with more range of controller and read operating status, alarm and etc.

Low EMC Noise

The driver compliance the EMC standard in 1st environment and unrestricted distribution (C1 Level) with CE Certificate.

High Reliability Product

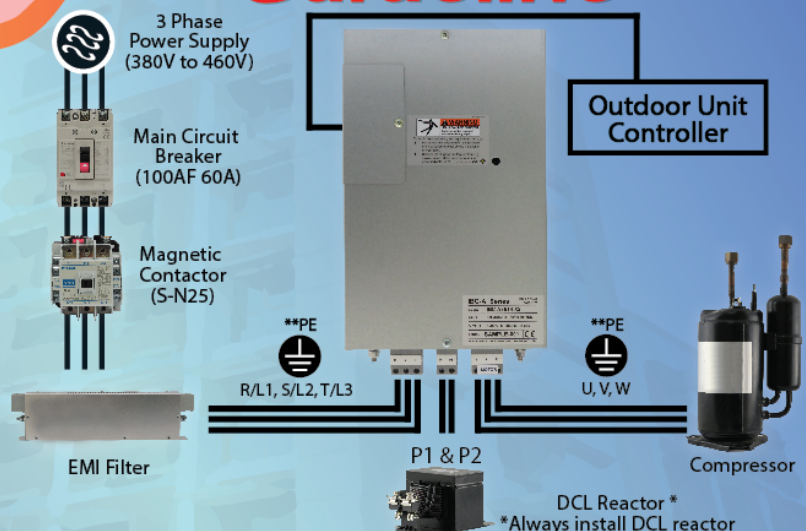
by designed and selection of reliable parts.

Safety Functions

to ensure the safe operation of equipment with emergency switch port, output alarm notification and protection.






Guideline



Application

Air Conditioning
Heat Pump / Heating
Refrigeration
Chiller
Variable Refrigerant Flow (VRF)
Close Control Air
Conditioning (CCAC)

General Specification

MODEL CODE		IBC-A20S2	IBC-A18T4	IBC-A22T4	IBC-A35T4
Output	Rated Output Current (A)	20	18	22	35
	Frequency Range	0.5 to 390 Hz	0.5 to 360 Hz		
Power Supply	Input AC Voltage	Single Phase 200 to 240 V 50 Hz / 60 Hz	Three Phase 380 to 460 V 50 Hz / 60 Hz		
	Permissible AC Voltate	180 to 264 V 50 Hz / 60 Hz	342 to 506 V 50 Hz / 60 Hz		
PWM Control	Control System	Sensorless Vector Control Method			
	Operating Revolution	10 to 130 rps (depend on motor compressor)			
	Switching Frequency	4 kHz, 6 kHz			
Efficiency		> 95% (operating of rated)			
Protection		Over Current Compressor, Over / Under Voltage, Over load, Fin Over heat, Compressor Over heat, Compressor Connection Loss, Communication Loss			
Communication	Metthod	Asynchronous Half Duplex (RS-485)			
	Baud Rate	1200, 2400, 9600, 19200 bps			
	Format	8-N-1, 8-E-1, 8-O-1, 8-N-2, 8-E-2, 8-O-2			
Structure	Protective	Open Type (IP20)			
	Size [H x W x D] (mm)	282 x 191 x 140			372 x 200 x 190
	Approximate Weight (kg)	4.3	4.9		7.2
Environment	Ambient Temperature / Humidity	-20 to +60℃, 30 to 80%RH (non-condensing)			
	Storage Temperature / Humidity	-20 to +70℃, 25 to 85%RH (non-condensing)			
	Vibration	Max. 5.9 m/s2 (0.6G), 10 to 55 Hz			
	ROHS Directive	Compliant with the RoHS Directive			
CE Conformity	Low Voltage Directive	EN 61800-5-1 : Safety Requirement			
	EMC Directive	EN 61800-3: EMC Requirements, Category C1			
Model Configuration		<div><div>IBC - A 35 T4 - X2</div><div><div>Auxiliary Code X1 : Without Cooling Fan X2 : With Cooling Fan X3 : Cold Plate</div><div>Power Source T4 : Three Phase 400 V S2 : Single Phase 200 V</div><div>Inverter Output Current (35 Arms) [18, 20, 22, 35]</div><div>Product Series</div><div>INVERTER Drive BLDC Compressor</div></div></div> <div><div></div><div></div><div></div><div><div>(-X1)</div><div>(-X2)</div><div>(-X3)</div></div></div>			

