



ANDHRA ELECTRONICS PVT LTD

THREE PHASE INVERTER INTEGRATED WITH MOTOR CONTROLLER

Detailed Specifications

Technical Specifications of the Inverter

SI. No.	Parameter	Values
1	Type of Inverter	Three Phase Inverter
2	Rated Power Output	1kW
3	Rated Input Voltage	30-500V DC
4	Type of Load to the controller	PMS Motor or BLDC Motor
5	Insulation Class	Class 'H'
6	Power Devices	SiC
7	Power Terminals	Fixed Terminals with Connector interface
8	Maximum Output Current	Not less than 40A
9	Continuous Output Current	Not less than 30A
10	Maximum Dimensions	
11	Power Connector Interface with System	Suitable Molex Interface
12	Signal Connector Interface with System	MIL Grade 06 pin Connector

Technical Specifications of the Controller

SI. No.	Parameter	Values
1	Type of	Three Phase Inverter
2	Rated Input Voltage	24V DC
3	Primary Usage	PMS Motor or BLDC Motor
4	Drive Microcontroller	TMS320F28388D – Dual Core
5	Signal Connectors	D – Sub Type
6	Power Terminals	Fixed Terminals with Connector Interface
7	Maximum Output Current	Not less than 40A
8	Continuous Output Current	Not less than 30A
9	Maximum Dimensions	
10	Power Connector Interface with System	Suitable Molex Interface
11	Encoder Interface	Support Isolated Differential Encoder Interface for one Motor Drive
12	DAC	4 Channel External DAC Peripheral
13	PWM Output	Support 6 Channel Output for one three Phase Inverter

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