RACK TYPE INVERTER

Rack Type Inverter with a compact architecture

Hannibal Rack Type inverter specially designed for the application of reliability and costeffective & high safety power supply. It uses full (electrical) isolation inverter technology toconvert direct current into high quality pure sinusoidal alternating current (AC), Rack mount type easy install in the cabinet.

It has the advantages of simple operation, low noise, no pollution, real-time data acquisition,and remote communication, and provides convenience to the users of the system to implement network management and remote monitoring. The inverter is not only suitable forthe Power and communication field but also suitable for other places where the requirement of high-quality power supply.

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GENERAL SPECIFICATIONS

- Fast control with DSP controller
- IGBT/IPM Technology
- Bypass Voltage sampling
- <1% Voltage Stability
- Alarm adjustable dry contacts
- ModBus Protocol - RS232, RS485
- Uninterrupted bypass switching

FEATURES

- Output with built-in earth fault detection
- Standard system configurations
- Built-in protection
- Digital processing and setting of all parameters
- Monitoring of all parameters via the front panel display
- Large communication facility options
- Compatible with Lead Acid (vented /sealed) and NiCd (vented/gas recombination) batteries

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TECHNICAL SPECIFICATIONS

Technical Specs (VA)	1K	2K	3K	4K	5K	6K	8K	10K
DC INPUT								
Input Voltage (VDC)	See the chart below							
Input Current(A)	See the chart below							
Input Range of Voltage (VDC)	See the chart below							
AC BYPASS								
Bypass Volt (VAC)	260V - 180V (±10V)							
Input Current(A)	5	10	15	20	25	30	40	50
Transfer Time (ms)	20 ms							
AC OUTPUT								
Rated Capacity (VA)	1000	2000	3000	4000	5000	6000	8000	10000
Output Power(W)	800	1600	2100	2800	3500	4200	5600	7000
Voltage and Frequency	110 V / 50 Hz, 220Vac / 50Hz, 600 - 230V 50 / 60 Hz							
Voltage Precision (V)	± 1.5%							
Frequency Precision (V)	50 ± 0.1%, 60Hz +0.1%							
Output wave	Pure Sine Wave							
Wave Distortion (THD) (Resistant Load)	≤ 3 % (Linear Load)							
Dynamic React. Time (Load 0 <->100%)	8 % (load 0 <----> 100%)							
Power Factor (PF)	0.89 / 0.7							
Overload	Load Current>150%, Shutdown in 20ms							
Inversion Efficiency (80% Resistant Load)	≥ 70 - 85							
Transfer Time (ms)	≤ 5 ms							
ENVIRONMENT								
Isolation (IN/OUT)	1500 VAC, 1min							
Noise (1m)	≤ 45 dB							
Temperature	-10°C to +50°C							
Humidity	0 ~ 90%, Non-condensing							
Sea Level (m)	≤ 3000							
SHOW								
LCD	Input and Output Voltage, Frequency, Output Current, Temperature							
Inverter Status	Power Normal, Inverter Normal, Battery Voltage, Output Overload							
MECHANICAL								
Protection Function	Input Low / High Voltage, Output Overload / Shortage, Reversed Input Connecting Protection							

Technical Specs (VA)	12 V	I in	24 V	I in	48 V	I in	110 V	I in	220 V	I in
Dc Input Voltage	10 - 16		20 - 32		40 – 60		90 - 160		180 - 300	
Dimension (W*H*D)	19'' 2 RU W482*H88*D 390mm									
Rated Input Current (A)	1 kVA	92	1 kVA	45	1 kVA	23	1 kVA	10	1 kVA	6
	--	--	2 kVA	88	2 kVA	47	2 kVA	20	2 kVA	10
	--	--	2.5 kVA	115	3 kVA	70	3 kVA	29	3 kVA	15
	--	--	--	--	4 kVA	91	4 kVA	39	4 kVA	19
	--	--	--	--	5 kVA	112	5 kVA	49	5 kVA	24
	--	--	--	--	6 kVA	140	6 kVA	59	6 kVA	28
	--	--	--	--	8 kVA	185	6 kVA	79	6 kVA	28
	--	--	--	--	10 kVA	224	10 kVA	98	10 kVA	48

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