

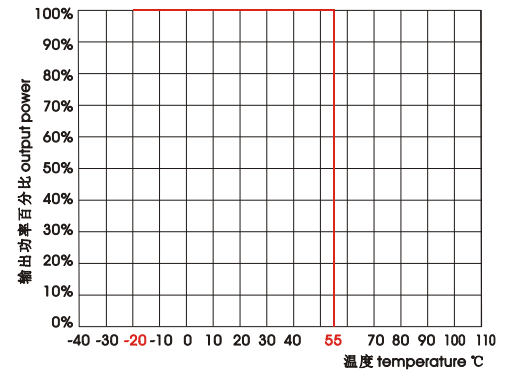
WAD50-220/24S24

船舶GPS系统专用 AC DC通用输入

Typical performance

- ◆ AC220V and DC24v General input voltage
- ◆ Typical Efficiency:75%
- ◆ Overcurrent/Over voltage/Short circuit Protection
- ◆ 3000 VAC Isolated
- ◆ Working temperature -20°C~+55°C
- ◆ Electromagnetic compatible GB9254-1998/EN55022 Class A
- ◆ For Shipping GPS System

温度曲线图 Temperature graph



Technology parameter (Test condition : Unless otherwise indicated,specifications apply over all operating input voltage,resistive load,and temperature conditions)

Input

Nominal voltage value of input alternating current	220VAC
Voltage range of input alternating current	160 ~ 264VAC
Frequency of input alternating current	47~63Hz
Max current of input alternating current	≤1.0A
Nominal voltage value of input direct current	24VDC
Voltage range of input direct current	18 ~ 38VDC
Max current of input direct current	≤5.0A

Output

Voltage	+24VDC
Current	0 ~ 2.1A
Ripple	≤200mV
Dynamic response	range of overshoot ≤5%,Self-furbish time ≤5mS
Turn-on delay time	≤3S
Efficiency	≥75%

General

Protection	Overcurrent Protection	3.0~4.0A, Self-furbish after back to nominal value	
	Short circuit Protection	long-term short circuit protection, Self-furbish	
	Overvoltage Protection	Range of overvoltage: 26~29V, Self-furbish	
Condition	Working temperature	-20°C~+55°C	
	Storage temperature	-40°C~+85°C	
	Relative humidity	10%~90%	
	Cooling	Non	
Safety	Dielectric strength	Alternating current input to output	3000VAC/60S, Leakage ≤10mA
		Alternating current input to case	1500VAC/60S, Leakage ≤10mA
		Direct current input to output	1500VAC/60S, Leakage ≤10mA
		Direct current input to case	1000VAC/60S, Leakage ≤10mA
		Input to case	500VAC/60S, Leakage ≤10mA
	Insulation Impedance	Alternating current input to output	50MΩ, 500VDC
		Alternating current input to case	50MΩ, 500VDC
		Direct current input to output	50MΩ, 500VDC
		Direct current input to case	50MΩ, 500VDC
		Input to case	20MΩ, 500VDC
Electromagnetic compatibility	Radiated interference	GB9254-1998/EN55022 Class A	
	Conducted interference	GB9254-1998/EN55022 Class A	

Product Nomination Method

Example	W A D 50 - 24 S 24 ① ② ③ ④ - ⑤ ⑥ ⑦		
①	Wide range voltage input: 2:1	⑤	Input voltage
②	Power convert mode A (AC-DC)	⑥	S Single output
③	Power convert mode D (DC-DC)	⑦	Output voltage
④	Output Watt		

Typical product tabulates

TYPE	Input voltage range	Output voltage / current					
		VO1		VO2		VO3	
		V	mA	V	mA	V	mA
WAD50-220/24S24	160 ~ 264VAC 18 ~ 38VDC	24	2100				

Mechanical Data

Package Code	L x W x H (unit): mm	Package No
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