

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

LIFEBOAT AND RESCUE BOAT ACCESSORIES

SCT-24100-430 Marine Charging Power Supply

ISO9001 Supplier

Class Certificate

Export Supply

SCT-24100-430 Marine Charging Power Supply SC series marine power supplies are switch-mode charging power supplies applying high-frequency PWM pulse-duration modulation technology and mainly composed of IGBT, ...



Key Highlights

Category	Lifeboat And Rescue Boat Accessories
Standard	GB
Weight / Size	500Vac/10mA/1 min Insulation resistance $\geq 10M\Omega$ Other Overall dimensions ...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Lifeboat And Rescue Boat Accessories	Model / SKU	SCT-24100-430-Marine-Charging-Power-Supply
Standard	GB	Weight / Size	500Vac/10mA/1 min Insulation resistance $\geq 10M\Omega$ Other Overall dimensions 310*190*90mm 410*260*110mm 530*280*230mm Installation dimensions 295*160mm 385*234mm 510*200mm Weight 5Kg 8Kg 25Kg
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	Warranty	12 Months unless specified otherwise
Origin	China		

CONTENTS

- SCT-24100-430 Marine Charging Power Supply

- Range of input voltage:

SCT - 2460 - 222X

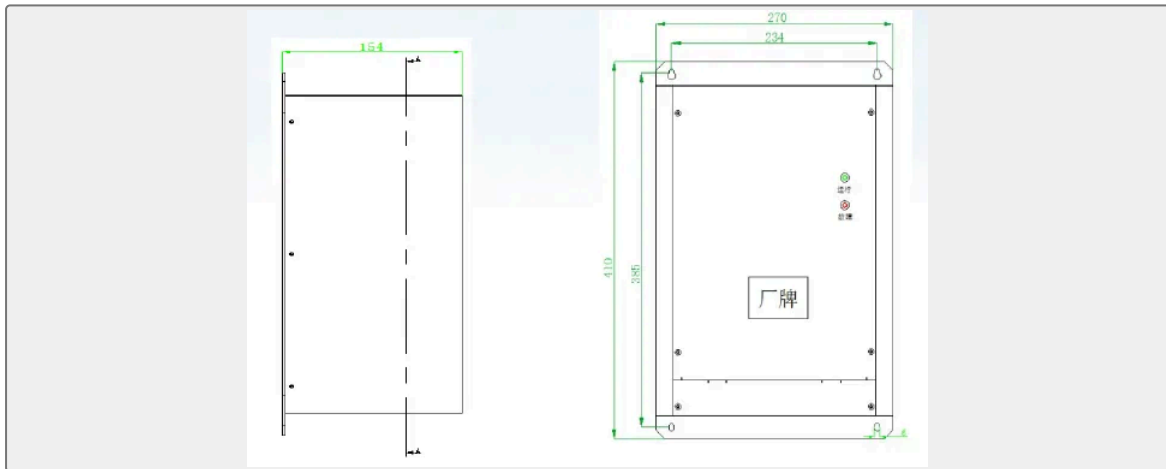
船用直流产品 Marine DC products	系列 Series	输出DC电压 Output DC voltage	输出电流 Output current	后缀说明 Explanation for suffixes
T 充电器 T chargers	DC12V	2A、5A	第1位数字表示输入电压等级: The 1st digit represents input voltage grade: 1表示AC110V 2表示AC220V 3表示AC380V 4表示AC440V 1 represents AC 110V 2 represents AC 220V 3 represents AC 380V 4 represents AC 440V 第2位数字表示输入相数等级: The 2nd digit represents the grade of input phase number: 2表示单相 3表示三相 2 represents single phase 3 represents three phase 第3位数字表示外壳防护等级: The 3rd digit represents shell protection grade: 0表示IP20 2表示IP22 0 represents IP 20 2 represents IP 22 第4位代码表示产品识别码,工厂内部使用,客户不需参考 The 4th code represents product identification number. Used in the factory, it does not serve as a reference for customers.	
S 整流器 S rectifiers	DC24V	10A、20A、30A		
	DC48V	40A、60A、80A		
	DC110V	100A、125A		
	DC220V	160A、200A		

SCT-24100-430 Marine Charging Power Supply

SC series marine power supplies are switch-mode charging power supplies applying high-frequency PWM pulse-duration modulation technology and mainly composed of IGBT, field-effect power tube and integrated PWM controller. The complete machine adopts intelligent cooling. The reliable operation of power supplies can be ensured even in the hottest cabin. Power supplies meet all specifications and rules of China Classification Society, comply with the basic standards of marine electric and specifications, pass Type Approval of China Classification Society and accord with the relevant regulations of GB7061-98 General Specification for Low-Voltage Switchgear and Controlgear Assemblies in Ships GB/T14548-93 General Specification for Marine Semiconductor Convertors and Rules for Classification of Seagoing Steel Ships

Range of input voltage:

"Range of Voltage Input" indicated in the product manual refers to the range of normal operating voltage under the condition of ensuring all performance indicators of power supplies. The power module will encounter unstable performance or be damaged if input voltage exceeds this range. This kind of phenomena should be avoided.



Model SCT-	2420-	2430-	2440-	2460-	2480-	24100-	24200-
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Input	Input rated voltage (±15%)	(220) single-phase 220Vac (230 three-phase 220Vac (330) three-phase 330Vac (430) three-phase 440Vac													
	Input frequency range	45~65Hz													
	Maximum input current	220	6A	220	8.5A	220	9A	220	20A	220	23A	220	25A	220	38A
		230		230		230		230		230		230		230	
		330	< 3A	330	< 4.2A	330	< 5A	330	< 9A	330	< 11A	330	< 13A	330	< 26A
430			430		430		430		430		430		430		
Efficiency	85%														
Out put	Output float charge voltage	26.4Vdc													
	Output average charge voltage	28.2Vdc													
	Average and float charge conversion current	1/10 of output current±1A													
	Maximun output current	20±1A	30±1A	40±1A	60±1A	80±1A	100±1A	200±1A							
	Stabilized voltage precision	±1%													
	Output ripple and noise	VPP≤500mv													
Ptecti on	Output overvoltage protection	30±1Vdc													
	Output undervoltage alarm	21±1Vdc													
	Overheat protection	85±5°C (Temperature inside the machine)													
	Output short circuit protection	The device is free from damage after short circuit and antomatically recovers after the removal of short circuit													
Funcio n	Output Alarm port	The relay completes contact action when input poer supply is normal and the device works The relay resets in the case of device fault(maximum contact voltage and current 32V 1A)													
Enviro ment	Operating temperature	0°C~+55°C													
	Storage temperature	-10°C~+70°C													
	Relative temperature	≤95% of salt mist, oil mist and mold													
	Heat emission method	Air Cooling													
	Atmospheric pressure	86kPa~106kPa													

Safety Regulation	Dielectric strength	Input single-phase and three-phase 220Vac		Input three-phase and three-phase 220Vac
		Input to output: 1500Vac/10mA/1 min		Input to output: 2500Vac/10mA/1 min
		Input to the ground: 1500Vac/10mA/1 min		Input to the ground: 1500Vac/10mA/1 min
		Output to the ground: 500Vac/10mA/1 min		Output to the ground: 500Vac/10mA/1 min
	Insulation resistance	≥10MΩ		
Other	Overall dimensions	310*190*90mm	410*260*110mm	530*280*230mm
	Installation dimensions	295*160mm	385*234mm	510*200mm
	Weight	5Kg	8Kg	25Kg