

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

LIFEBOAT AND RESCUE BOAT ACCESSORIES

SCT-24200-230 Marine Charging Power Supply

ISO9001 Supplier

Class Certificate

Export Supply

SCT-24200-230 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...



Key Highlights

Category	Lifeboat And Rescue Boat Accessories
Standard	GB
Material	Power supplies meet all specifications and rules of China Classification...
Weight / Size	500Vac/10mA/1 min Insulation resistance $\geq 10M\Omega$ Other Overall dimensions ...
Certificate	CCS

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

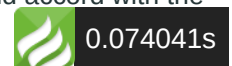
Technical Specifications			
Category	Lifeboat And Rescue Boat Accessories	Model / SKU	SCT-24200-230-Marine-Charging-Power-Supply
Standard	GB	Material	Power supplies meet all specifications and rules of China Classification Society, comply with the basic standards of marineelectric andspecifications, 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 Sea-going Steel Ships.
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	CCS
Warranty	12 Months unless specified otherwise	Origin	China

SCT-24200-230 Marine Charging Power Supply

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 AC110V 2 represents AC220V 3 represents AC380V 4 represents AC440V
S 整流器 S rectifiers	DC24V	10A、20A、30A	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
	DC48V	40A、60A、80A	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
	DC110V	100A、125A	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.	
	DC220V	160A、200A		

SC series marine power supplies are switch-mode charging power supplies applying high-frequency PWM pulse-duration modulation technology and mainly composed of IGBT, fieldeffect power tube and integrated PWM controller. The complete machine adoptsintelligent 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 marineelectric andspecifications, 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 Sea-going Steel Ships.

Model SCT-		2420-	2430-	2440-	2460-	2480-	24100-	24200-							
Input	Input rated voltage	(220) single-phase 220Vac													
	(±15%)	(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													
Ptotection	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													
Function	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)													

Enviroment	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	Dielectric strength	Input single-phase and three-phase 220Vac	Input three-phase and three-phase 220Vac	
Regulation		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 dimnensions	310*190*90mm	410*260*110mm	530*280*230mm
	Installation dimensions	295*160mm	385*234mm	510*200mm
	Weight	5Kg	8Kg	25Kg

