접수번호 : 20180913-0014

안 전 인 증 서
Safety Certificate

안전인증번호: HU10467-18023A
(Certificate No.)

제조업자/수입업자명: Shenzhen Shi Ying Yuan Electronics Co., Ltd.
(Manufacturer/importer)

주 소: floor 5-7 of West, Building 8, Hongye industry park, Lezhujiao resident squad, Huangmabu comminity, Xixiang street, Bao'an district, Shenzhen city, Guangdong, China
(Address)

제 품 명: 직류전원장치
(Product)

기본모델명: SAW20-120-1500KD
(Basic Model)

파생모델명 (Series Model):

CGSW20-050-2400II	CGSW20-050-2500II
CGSW20-050-2600II	CGSW20-050-3000II
CGSW20-052-2400II	CGSW20-052-2500II
CGSW20-052-2600II	CGSW20-052-3000II
CGSW20-059-2400II	이면기재

정격/안전기준상의 모델구분: 100-240 V~, 50/60 Hz, 0.6 A (O/P: 12 Vdc, 1.5 A)
(Rating)

시 험 기 준: K 60950-1(2011-12)
(Standard)

본 인증서는 제 조 국 명: 중국
제조업자명: Shenzhen Shi Ying Yuan Electronics Co., Ltd.
제조공장의 주소: floor 5-7 of West, Building 8, Hongye industry park, Lezhujiao resident squad, Huangmabu comminity, Xixiang street, Bao'an district, Shenzhen city, Guangdong, China
의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제9조제2항, 제4항, 제10조제2항 또는 제15조제2항에 따라 안전인증서를 발급합니다.

We issue this Safety Certificate for the above appliances in accordance with the Article 9(2), 9(4), 10(2) or 15(2) of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.

2018 년 (Year) 10 월 (Month) 15 일 (Day)

한국기계전기전자시험연구원장
Korea Testing Certification

※ 이 인증서는 「전기용품 및 생활용품 안전관리법」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전인증의 변경 현황 (Revisions Status)

CGSW20-059-2500II
CGSW20-059-3000II
CGSW20-060-2500II
CGSW20-060-3000II
CGSW20-075-2400II
CGSW20-084-1800II
CGSW20-090-1500II
CGSW20-090-2000II
CGSW20-100-1600II
CGSW20-110-1600II
CGSW20-120-1500II
ICP20-050-2400D
ICP20-050-2500D
ICP20-050-2600D
ICP20-050-3000D
ICP20-052-2500D
ICP20-052-3000D
ICP20-059-2500D
ICP20-059-3000D
ICP20-060-2500D
ICP20-060-3000D
ICP20-075-2400D
ICP20-084-1800D
ICP20-090-1500D
ICP20-090-2000D
ICP20-100-1600D
ICP20-110-1600D
ICP20-120-1500D
SAW20-050-2400KD
SAW20-050-2500KD
SAW20-050-2600KD
SAW20-050-3000KD
SAW20-052-2500KD
SAW20-052-3000KD
SAW20-059-2500KD
SAW20-059-3000KD
SAW20-060-2500KD
SAW20-060-3000KD
SAW20-075-2400KD
SAW20-084-1800KD
SAW20-090-1500KD
SAW20-090-2000KD
SAW20-100-1600KD
SAW20-110-1600KD

CGSW20-059-2600II
CGSW20-060-2400II
CGSW20-060-2600II
CGSW20-075-2000II
CGSW20-084-1500II
CGSW20-084-2000II
CGSW20-090-1800II
CGSW20-100-1500II
CGSW20-100-1800II
CGSW20-120-1200II
ICP20-050-2400B
ICP20-050-2500B
ICP20-050-2600B
ICP20-050-3000B
ICP20-052-2400D
ICP20-052-2600D
ICP20-059-2400D
ICP20-059-2600D
ICP20-060-2400D
ICP20-060-2600D
ICP20-075-2000D
ICP20-084-1500D
ICP20-084-2000D
ICP20-090-1800D
ICP20-100-1500D
ICP20-100-1800D
ICP20-120-1200D
SAW20-050-2400KB
SAW20-050-2500KB
SAW20-050-2600KB
SAW20-050-3000KB
SAW20-052-2400KD
SAW20-052-2600KD
SAW20-059-2400KD
SAW20-059-2600KD
SAW20-060-2400KD
SAW20-060-2600KD
SAW20-075-2000KD
SAW20-084-1500KD
SAW20-084-2000KD
SAW20-090-1800KD
SAW20-100-1500KD
SAW20-100-1800KD
SAW20-120-1200KD

기 술 문 서
Technical Document

안전인증번호: HU10467 -18023A
(Certificate No)

접수번호: 20180913 - 0014
(Receipt No)

1.기본모델 · 파생모델의 내용(General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.
(Information on certified basic model product is as follow)

구분(Section)	내 용 (Description)
용도 (Normal use)	The apparatus designed to be used for converting AC main voltage to DC low voltage.
내부구조 (Internal construction)	The apparatus consists of Switching transformer, rectifying part etc.
외부구조 (External construction)	Direct plug-in equipment and provided with the plastic enclosure having min. V-1 flammability.
기타(Others)	Class II

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제20조(안전인증의 표시)에 따라 표시한다.
(Marking of KC Mark: Marking shall comply with the Article 20 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

1.3 등록모델 (Registered Models)

구 분 (Class)	모 델 명 및 정 격 (Model / Rating)		기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	SAW20-120-1500KD	100-240 V~, 50/60 Hz, 0.6 A (O/P: 12 Vdc, 1.5 A)	
파생모델 (Series model)	SAW20-050-3000KD		Output rating(O/P: 5 Vdc, 3.0 A)
	SAW20-050-2600KD		Output rating(O/P: 5 Vdc, 2.6 A)
	SAW20-050-2500KD		Output rating(O/P: 5 Vdc, 2.5 A)
	SAW20-050-2400KD		Output rating(O/P: 5 Vdc, 2.4 A)
	SAW20-050-3000KB		USB output type and output rating(O/P: 5 Vdc, 3.0 A)
	SAW20-050-2600KB		USB output type and output rating(O/P: 5 Vdc, 2.6 A)
	SAW20-050-2500KB		USB output type and output rating(O/P: 5 Vdc, 2.5 A)

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	SAW20-050-2400KB	USB output type and output rating(O/P: 5 Vdc, 2.4 A)
	SAW20-052-3000KD	Output rating(O/P: 5.2 Vdc, 3.0 A)
	SAW20-052-2600KD	Output rating(O/P: 5.2 Vdc, 2.6 A)
	SAW20-052-2500KD	Output rating(O/P: 5.2 Vdc, 2.5 A)
	SAW20-052-2400KD	Output rating(O/P: 5.2 Vdc, 2.4 A)
	SAW20-059-3000KD	Output rating(O/P: 5.9 Vdc, 3.0 A)
	SAW20-059-2600KD	Output rating(O/P: 5.9 Vdc, 2.6 A)
	SAW20-059-2500KD	Output rating(O/P: 5.9 Vdc, 2.5 A)
	SAW20-059-2400KD	Output rating(O/P: 5.9 Vdc, 2.4 A)
	SAW20-060-3000KD	Output rating(O/P: 6 Vdc, 3.0 A)
	SAW20-060-2600KD	Output rating(O/P: 6 Vdc, 2.6 A)
	SAW20-060-2500KD	Output rating(O/P: 6 Vdc, 2.5 A)
	SAW20-060-2400KD	Output rating(O/P: 6 Vdc, 2.4 A)
	SAW20-075-2400KD	Output rating(O/P: 7.5 Vdc, 2.4 A)
	SAW20-075-2000KD	Output rating(O/P: 7.5 Vdc, 2.0 A)
	SAW20-084-2000KD	Output rating(O/P: 8.4 Vdc, 2.0 A)
	SAW20-084-1800KD	Output rating(O/P: 8.4 Vdc, 1.8 A)
	SAW20-084-1500KD	Output rating(O/P: 8.4 Vdc, 1.5 A)
	SAW20-090-2000KD	Output rating(O/P: 9 Vdc, 2.0 A)
	SAW20-090-1800KD	Output rating(O/P: 9 Vdc, 1.8 A)
	SAW20-090-1500KD	Output rating(O/P: 9 Vdc, 1.5 A)

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	SAW20-100-1800KD	Output rating(O/P: 10 Vdc, 1.8 A)
	SAW20-100-1600KD	Output rating(O/P: 10 Vdc, 1.6 A)
	SAW20-100-1500KD	Output rating(O/P: 10 Vdc, 1.5 A)
	SAW20-110-1600KD	Output rating(O/P: 11 Vdc, 1.6 A)
	SAW20-120-1200KD	Output rating(O/P: 12 Vdc, 1.2 A)
	ICP20-050-3000D	Direct plug-in type with detachable plug portion and output rating(O/P: 5 Vdc, 3.0 A)
	ICP20-050-2600D	Direct plug-in type with detachable plug portion and output rating(O/P: 5 Vdc, 2.6 A)
	ICP20-050-2500D	Direct plug-in type with detachable plug portion and output rating(O/P: 5 Vdc, 2.5 A)
	ICP20-050-2400D	Direct plug-in type with detachable plug portion and output rating(O/P: 5 Vdc, 2.4 A)
	ICP20-050-3000B	Direct plug-in type with detachable plug portion, USB output type and output rating(O/P: 5 Vdc, 3.0 A)
	ICP20-050-2600B	Direct plug-in type with detachable plug portion, USB output type and output rating(O/P: 5 Vdc, 2.6 A)
	ICP20-050-2500B	Direct plug-in type with detachable plug portion, USB output type and output rating(O/P: 5 Vdc, 2.5 A)
	ICP20-050-2400B	Direct plug-in type with detachable plug portion, USB output type and output rating(O/P: 5 Vdc, 2.4 A)

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ICP20-052-3000D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.2 Vdc, 3.0 A)
ICP20-052-2600D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.2 Vdc, 2.6 A)
ICP20-052-2500D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.2 Vdc, 2.5 A)
ICP20-052-2400D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.2 Vdc, 2.4 A)
ICP20-059-3000D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.9 Vdc, 3.0 A)
ICP20-059-2600D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.9 Vdc, 2.6 A)
ICP20-059-2500D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.9 Vdc, 2.5 A)
ICP20-059-2400D	Direct plug-in type with detachable plug portion and output rating(O/P: 5.9 Vdc, 2.4 A)
ICP20-060-3000D	Direct plug-in type with detachable plug portion and output rating(O/P: 6 Vdc, 3.0 A)
ICP20-060-2600D	Direct plug-in type with detachable plug portion and output rating(O/P: 6 Vdc, 2.6 A)
ICP20-060-2500D	Direct plug-in type with detachable plug portion and output rating(O/P: 6 Vdc, 2.5 A)

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ICP20-060-2400D	Direct plug-in type with detachable plug portion and output rating(O/P: 6 Vdc, 2.4 A)
ICP20-075-2400D	Direct plug-in type with detachable plug portion and output rating(O/P: 7.5 Vdc, 2.4 A)
ICP20-075-2000D	Direct plug-in type with detachable plug portion and output rating(O/P: 7.5 Vdc, 2.0 A)
ICP20-084-2000D	Direct plug-in type with detachable plug portion and output rating(O/P: 8.4 Vdc, 2.0 A)
ICP20-084-1800D	Direct plug-in type with detachable plug portion and output rating(O/P: 8.4 Vdc, 1.8 A)
ICP20-084-1500D	Direct plug-in type with detachable plug portion and output rating(O/P: 8.4 Vdc, 1.5 A)
ICP20-090-2000D	Direct plug-in type with detachable plug portion and output rating(O/P: 9 Vdc, 2.0 A)
ICP20-090-1800D	Direct plug-in type with detachable plug portion and output rating(O/P: 9 Vdc, 1.8 A)
ICP20-090-1500D	Direct plug-in type with detachable plug portion and output rating(O/P: 9 Vdc, 1.5 A)
ICP20-100-1800D	Direct plug-in type with detachable plug portion and output rating(O/P: 10 Vdc, 1.8 A)
ICP20-100-1600D	Direct plug-in type with detachable plug portion and output rating(O/P: 10 Vdc, 1.6 A)

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ICP20-100-1500D	Direct plug-in type with detachable plug portion and output rating(O/P: 10 Vdc, 1.5 A)
ICP20-110-1600D	Direct plug-in type with detachable plug portion and output rating(O/P: 11 Vdc, 1.6 A)
ICP20-120-1200D	Direct plug-in type with detachable plug portion and output rating(O/P: 12 Vdc, 1.2 A)
ICP20-120-1500D	Direct plug-in type with detachable plug portion and output rating(O/P: 12 Vdc, 1.5 A)
CGSW20-050-3000II	Desktop type with appliance inlet and output rating(O/P: 5 Vdc, 3.0 A)
CGSW20-050-2600II	Desktop type with appliance inlet and output rating(O/P: 5 Vdc, 2.6 A)
CGSW20-050-2500II	Desktop type with appliance inlet and output rating(O/P: 5 Vdc, 2.5 A)
CGSW20-050-2400II	Desktop type with appliance inlet and output rating(O/P: 5 Vdc, 2.4 A)
CGSW20-052-3000II	Desktop type with appliance inlet and output rating(O/P: 5.2 Vdc, 3.0 A)
CGSW20-052-2600II	Desktop type with appliance inlet and output rating(O/P: 5.2 Vdc, 2.6 A)
CGSW20-052-2500II	Desktop type with appliance inlet and output rating(O/P: 5.2 Vdc, 2.5 A)
CGSW20-052-2400II	Desktop type with appliance inlet and output rating(O/P: 5.2 Vdc, 2.4 A)

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CGSW20-059-30001	Desktop type with appliance inlet and output rating(O/P: 5.9 Vdc, 3.0 A)
CGSW20-059-26001	Desktop type with appliance inlet and output rating(O/P: 5.9 Vdc, 2.6 A)
CGSW20-059-25001	Desktop type with appliance inlet and output rating(O/P: 5.9 Vdc, 2.5 A)
CGSW20-059-24001	Desktop type with appliance inlet and output rating(O/P: 5.9 Vdc, 2.4 A)
CGSW20-060-30001	Desktop type with appliance inlet and output rating(O/P: 6 Vdc, 3.0 A)
CGSW20-060-26001	Desktop type with appliance inlet and output rating(O/P: 6 Vdc, 2.6 A)
CGSW20-060-25001	Desktop type with appliance inlet and output rating(O/P: 6 Vdc, 2.5 A)
CGSW20-060-24001	Desktop type with appliance inlet and output rating(O/P: 6 Vdc, 2.4 A)
CGSW20-075-24001	Desktop type with appliance inlet and output rating(O/P: 7.5 Vdc, 2.4 A)
CGSW20-075-20001	Desktop type with appliance inlet and output rating(O/P: 7.5 Vdc, 2.0 A)
CGSW20-084-20001	Desktop type with appliance inlet and output rating(O/P: 8.4 Vdc, 2.0 A)
CGSW20-084-18001	Desktop type with appliance inlet and output rating(O/P: 8.4 Vdc, 1.8 A)
CGSW20-084-15001	Desktop type with appliance inlet and output rating(O/P: 8.4 Vdc, 1.5 A)

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	CGSW20-090-200II	Desktop type with appliance inlet and output rating(O/P: 9 Vdc, 2.0 A)
	CGSW20-090-180II	Desktop type with appliance inlet and output rating(O/P: 9 Vdc, 1.8 A)
	CGSW20-090-150II	Desktop type with appliance inlet and output rating(O/P: 9 Vdc, 1.5 A)
	CGSW20-100-180II	Desktop type with appliance inlet and output rating(O/P: 10 Vdc, 1.8 A)
	CGSW20-100-160II	Desktop type with appliance inlet and output rating(O/P: 10 Vdc, 1.6 A)
	CGSW20-100-150II	Desktop type with appliance inlet and output rating(O/P: 10 Vdc, 1.5 A)
	CGSW20-110-160II	Desktop type with appliance inlet and output rating(O/P: 11 Vdc, 1.6 A)
	CGSW20-120-120II	Desktop type with appliance inlet and output rating(O/P: 12 Vdc, 1.2 A)
	CGSW20-120-150II	Desktop type with appliance inlet and output rating(O/P: 12 Vdc, 1.5 A)