

Green Mode

Meet CEC, Energy Star & ERP Regulations
No Load Power Consumption Less Than 0.3W

Features:

- 100-240VAC Universal Input
- Single Output to 5-7.5W
- Regulated Output with Low Ripple Noise
- Meets Safety Agency Requirements and Complies EMI/EMS
- Private Label Marking Available
- Modified and Custom Designs Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-03015U/U1/E/B	3.0V	1.5A	4.50W
STD-03315U/U1/E/B	3.3V	1.5A	4.95W
STD-04215U/U1/E/B	4.2V	1.5A	6.30W
STD-04515U/U1/E/B	4.5V	1.5A	6.75W
STD-05010U/U1/E/B	5.0V	1.0A	5.00W
STD-05015U/U1/E/B	5.0V	1.5A	7.50W
STD-06012U/U1/E/B	6.0V	1.2A	7.20W
STD-07510U/U1/E/B	7.5V	1.0A	7.50W
STD-09006U/U1/E/B	9.0V	0.6A	5.40W
STD-12006U/U1/E/B	12.0V	0.6A	7.20W
STD-15005U/U1/E/B	15.0V	0.5A	7.50W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	0.19A Max.
Protection	Internal Primary Current Fuse, Inrush Limiting
AC Inlet	U for UL AC Pin (Side) U1 for UL AC Pin (Frontal) E for EU Pin B for UK Pin

Output

Load Regulation	± 5% Typical
Ripple	1~2%V p-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup Time	10mS @ Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection
DC Cord	22AWG / 20AWG
Ferrite Core	Yes (Not for U1 Type, but Optional)

5 Watt Series

Wall Mount Type (Side)

USA / Japan / Taiwan / Europe / U.K.
(Forntal optional for USA/Japan/Taiwan)

STD-□□□ □□ □



Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / LPS

For Europe - CB / GS / CE / LPS

For U.K. - CB / CE / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin
Efficiency	Meet Energy Star Level V & ERP Stage 2
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

Environmental

Operaturing Temperature	0 to +40°C
Storage Temperature	-20 to +80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimensions	U - L 52 x W 29 x H 63 (mm) U1 - L64 x W 48 x H 45 (mm) E - L 52 x W 29 x H 85 (mm) B - L 52 x W 50 x H 75 (mm)
Weight	U/U1:110g / E:110g / UK:116g (reference)





Special Design for VOIP Phone 14.4 Watt Series

Wall Mount Type

USA / Japan / Taiwan / Mexico / Europe / U.K. /
Singapore / Australia / China / Korea

Green Mode

Meet CEC, Energy Star & ERP Regulations
No Load Power Consumption Less Than 0.3W

Features:

- Low Noise, Low Ripple
- 100-240VAC Universal Input
- Single Output to 14.4W
- Regulated Output with Low Ripple Noise
- Meets Safety Agency Requirements and Complies EMI/EMS
- Private Label Marking Available
- Modified and Custom Designs Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-12012U1	12.0V	1.2A	14.4W
STD-12012E	12.0V	1.2A	14.4W
STD-12012B	12.0V	1.2A	14.4W
STD-12012A	12.0V	1.2A	14.4W
STD-12012K	12.0V	1.2A	14.4W
STD-12012C	12.0V	1.2A	14.4W

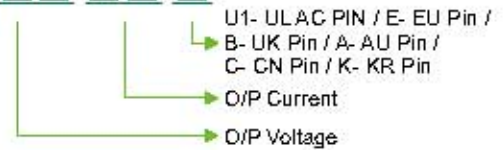
Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	0.48A Max.
Protection	Internal Primary Current Fuse, Inrush Limiting
Configuration	U1 for UL AC Pin (Side) E for EU Pin B for UK Pin A for AU Pin C for CN Pin K for KR Pin

Output

Load Regulation	± 5% (Typical)
Ripple	1~2% V p-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup Time	10mS @ Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection
DC Cord	22AWG
Ferrite Core	No (Optional)

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Safety Approvals

For USA - CB / UL / cUL / FCC / PSE / BSMI / NOM / LPS
For Europe - CB / GS / CE / LPS /
For U.K. - CB / CE / PSB / LPS
For Australia - CB / RCM / LPS
For China - CB / CCC / LPS
For Korea - CB / EK / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	0.25mA @ 2 Pin
Efficiency	Meet Energy Star Level V & ERP Stage 2 & MEPS
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

Environmental

Operating Temperature	0 to +40°C
Storage Temperature	-20 to +80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimensions	C & U1 - L72 x W34 x H69 (mm)
	E & K - L72 x W34 x H90 (mm)
	B - L72 x W50 x H81 (mm)
	A - L72 x W40 x H78 (mm)
Weight	U1:148g / E:154g / B:158g / A:150g / C:148g / K:156g (reference)



18 Watt Series

Desktop Type

Green Mode

Meet CEC, Energy Star & ERP Regulations
No Load Power Consumption Less Than 0.3W

Features:

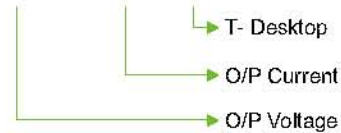
- 100-240VAC Universal Input
- Single Output to 18W
- Regulated Output with Low Ripple Noise
- Meets Safety Agency Requirements and Complies EMI/EMS
- Private Label Marking Available
- Modified and Custom Designs Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-04535T	4.5V	3.5A	15.75 W
STD-05025T	5.0V	2.5A	12.50 W
STD-05030T	5.0V	3.0A	15.00 W
STD-05035T	5.0V	3.5A	17.50 W
STD-06025T	5.9V	2.5A	14.75 W
STD-06030T	5.9V	3.0A	17.70 W
STD-07025T	7.0V	2.5A	17.50 W
STD-07525T	7.5V	2.5A	18.75 W
STD-09015T	9.0V	1.5A	13.50 W
STD-09022T	9.0V	2.2A	19.80 W
STD-10019T	10.0V	1.9A	19.00 W
STD-12012T	12.0V	1.2A	14.40 W
STD-12016T	12.0V	1.6A	19.20 W
STD-13510T	13.5V	1.0A	13.50 W
STD-13514T	13.5V	1.4A	18.90 W
STD-15010T	15.0V	1.0A	15.00 W
STD-15013T	15.0V	1.3A	19.50 W
STD-16010T	16.0V	1.0A	16.00 W
STD-16012T	16.0V	1.2A	19.20 W
STD-18008T	18.0V	0.8A	14.40 W
STD-18011T	18.0V	1.1A	19.80 W
STD-20007T	20.0V	0.7A	14.00 W
STD-20010T	20.0V	1.0A	20.00 W
STD-24006T	24.0V	0.6A	14.40 W
STD-24008T	24.0V	0.8A	19.20 W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	0.48A Max.
Protection	Internal primary current fuse, Inrush limiting
Configuration Option	IEC320/ C8

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Output

Load Regulation	± 5% (Typical)
Ripple	1~2% V p-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup Time	10mS @ Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI / RCM / LPS

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	0.25mA @ 2 Pin
Efficiency	Meet Energy Star Level V & ERP Stage 2 & MEPS
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

Environmental

Operaturing Temperature	0 to +40°C
Storage Temperature	-20 to +80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimensions	L88 x W50 x H34 (mm)
Weight	144g (reference)



24 Watt Series

AC Prong Changeable

Wall Mount Type

Green Mode

Meet CEC, Energy Star & ERP Regulations
No Load Power Consumption less Than 0.3W

Features:

- 100-240VAC Universal Input
- Single Output to 24W
- Wall Mount Changeable Plug with Option of Various Plugs
- Regulated Output with Low Ripple Noise
- Meets Safety Agency Requirements and Complies EMI/EMS
- Private Label Marking Available
- Modified and Custom Designs Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
STD-05040V	5.0V	4.0A	20.0 W
STD-06035V	5.9V	3.5A	20.65 W
STD-07030V	7.0V	3.0A	21.0 W
STD-07530V	7.5V	3.0A	22.5 W
STD-09025V	9.0V	2.5A	22.5 W
STD-09525V	9.5V	2.5A	23.75 W
STD-12020V	12.0V	2.0A	24.0 W
STD-15016V	15.0V	1.6A	24.0 W
STD-24010V	24.0V	1.0A	24.0 W
STD-48005V	48.0V	0.5A	24.0 W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	0.58A Max.
Protection	Internal Primary Current Fuse, Inrush Limiting
Configuration	U for UL AC Pin (Frontal) E for EU Pin B for UK Pin A for AU Pin C for CN Pin K for KR Pin

Output

Load Regulation	± 5% (Typical)
Ripple	1~2% V p-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup Time	10mS @ Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	No (Optional)

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Safety Approvals

For USA - CB / UL / eUL / FCC / PSE / BSMI / LPS

For Europe - CB / GS / CE / LPS

For U.K. - CB / CE / LPS

For Australia - CB / RCM / LPS

For China - CB / CCC*

For Korea - CB / EK*

* apply upon customer request

Electrical

Topology	Switching Flyback
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	0.25mA @ 2 Pin
Efficiency	Meet Energy Star Level V & ERP Stage 2 & MEPS
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

Environmental

Operating Temperature	0 to +40°C
Storage Temperature	-20 to +80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimensions	L76 x W52 x H39 (mm)
Weight	158g (reference)





40W & 50W & 65W Open Frame

Customer Design

NEW

Low Power Consumptions & High Efficiency

Features:

- 100-240VAC Universal Input
- Regulated Output with Low Ripple Noise
- Special Design Based on Customer's Request

Model	O/P Voltage	O/P Current	Watt
STD-0940PF	9.0V	4.0A	36 W
STD-1233PF	12.0V	3.3A	40 W

Model	O/P Voltage	O/P Current	Watt
STD-0950PF	9.0V	5.0A	45 W
STD-1242PF	12.0V	4.2A	50 W
STD-1533PF	15.0V	3.3A	50 W
STD-1827PF	18.0V	2.7A	49 W
STD-1926PF	19.0V	2.6A	49 W
STD-2025PF	20.0V	2.5A	50 W
STD-2421PF	24.0V	2.1A	50 W
STD-4810PF	48.0V	1.0A	48 W

Model	O/P Voltage	O/P Current	Watt
STD-1250PF	12.0V	5.0A	60 W
STD-1543PF	15.0V	4.3A	65 W
STD-1640PF	16.0V	4.0A	64 W
STD-1836PF	18.0V	3.6A	65 W
STD-1934PF	19.0V	3.4A	65 W
STD-2032PF	20.0V	3.25A	65 W
STD-2427PF	24.0V	2.7A	65 W
STD-4813PF	48.0V	1.3A	62 W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	1.1A Max. for 40/50W; 1.4A Max. for 65W
Protection	Internal Primary Current Fuse, Inrush Limiting

Output

Load Regulation	± 5%
Ripple	1~2% V p-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup Time	10mS min. @ Full Load
Protection	Short Circuit Protection/ Over Voltage Protection
Ferrite Core	Yes

Electrical

Topology	Switching
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	Less than 3.5mA
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

Environmental

Operating Temperature	0 to +40°C
Storage Temperature	-20 to +80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimensions	L123 x W53 x H30 (mm)
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STD-24050UF

120W Open Frame

Customer Design

For Printer & LCD TV



Low Power Consumption & High Efficiency

Features:

- 100-240VAC Universal Input
- High Peak Power for Printer
- Regulated Output with Low Ripple Noise
- Special Design Based on Customer's Request

Model	O/P Voltage	O/P Current	Watt	Peak Power
STD-24050FP	24V	5A	120.0 W	600W
STD-24050UF	24V	5A	120.0 W	600W

120W special design for Printer with peak power of 600W

Input

Voltage	100-240 VAC
Line Frequency	50-60Hz
Current	1.6A Max. for 120W / 2.0A Max. for 149W
Protection	Internal Primary Current Fuse, Inrush Limiting

Output

Load Regulation	± 5%
Ripple	1~2% V p-p Max for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Holdup Time	10mS min. @ Full Load
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection(only for STD-24050) / Over Temperature Protection (Optional for 120W)
Ferrite Core	Yes

Electrical

Topology	Switching
Dielectric Withstand	3000 VAC Primary - Secondary
Leakage Current	Less than 3.5mA
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
MTBF	50,000 Calculated Hours at 25°C, by MIL-HDBK-217F

Environmental

Operating Temperature	0 to +40°C
Storage Temperature	-20 to +80°C
Relative Humidity	Operating: 20 to 80% RH Storage: 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Dimensions	STD-24050UF - L127 x W80 x H39 (mm)
	STD-24050FP - L140 x W63 x H28 (mm)



STD-24050F

RoHS