



Factory

Cuijia, Xidian Town, Ninghai, Ningbo, China 315613
Tel: +86-574-65181812
+86-574-65171366
Fax: +86-574-65187196
E-mail: sales1@yingjiao.com

www.yingjiaodriver.com
www.yingjiao.com

Global Sales Dept

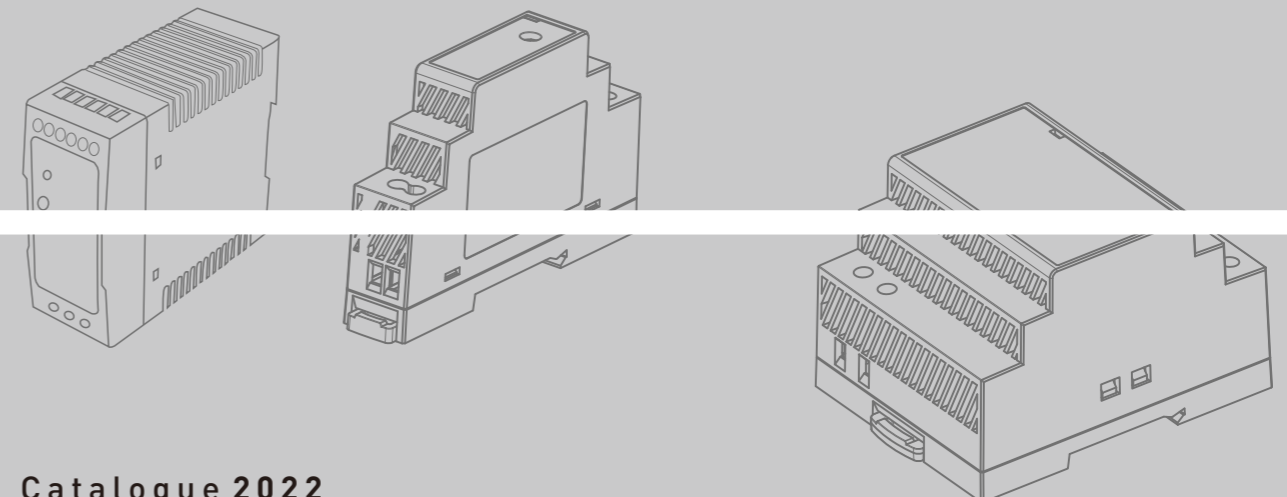
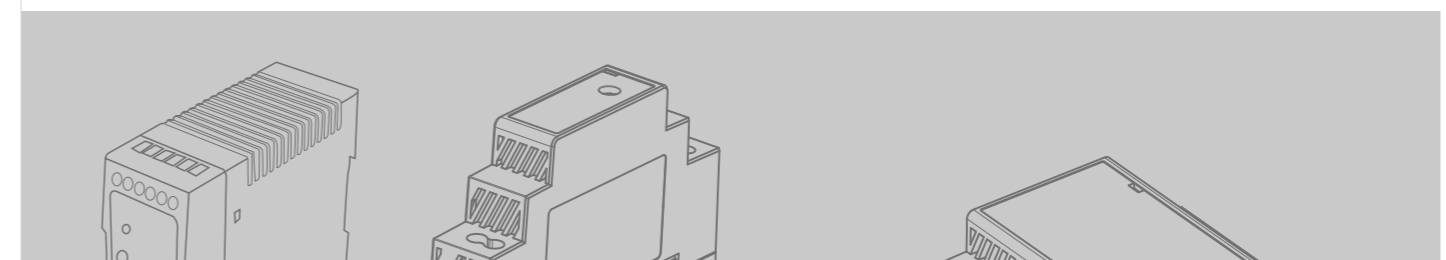
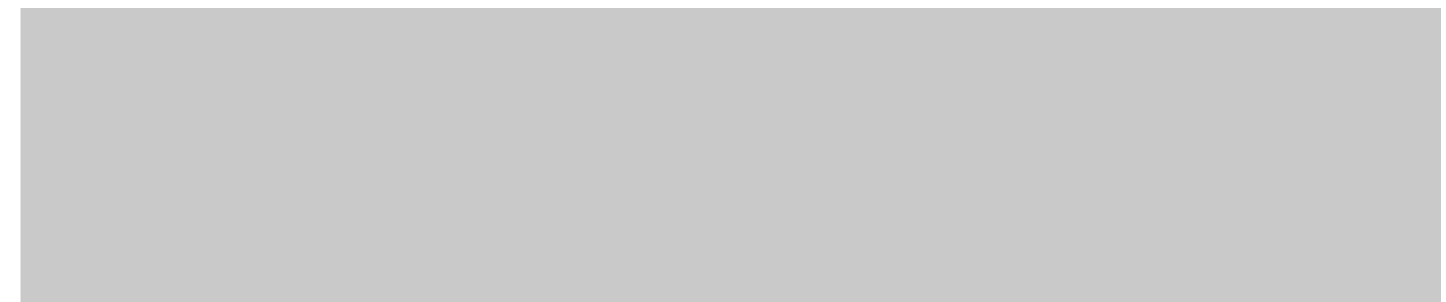
Tel: +86-574-87563855
+86-574-87127889
Fax: +86-574-87139667
E-mail: sales2@yingjiao.com

US Office

12071 N SR37, Elwood IN 46036, USA
Tel: 720-278-1669
E-mail: george.neuberger@yingjiao.com
sales@yingjiao.com

EU Office

Grumbkowstrasse 65A 13156
Berlin Germany
Tel: 0049-1743266584
E-mail: sales-eu@yingjiao.com



Catalogue 2022

Index

- 03-08** | Ultra-slim Step Shape
DIN Rail Power Supply
- 09-14** | Slimline Shape
DIN Rail Power Supply
- 15-20** | Industrial Metal Case Shape
DIN Rail Power Supply
- 22-28** | Supplementary Modules
DIN Rail Power Supply

Introduction

Yingjiao Electrical Co.,Ltd. was established in 1995 and is dedicated to the design and development of all types of low voltage power adapters, LED drivers, utilizing scaled manufacturing and global sales to fully serve the world's electronic and electric industries. The core products include switching & linear power adapters, battery chargers, transformers, DIN rail power supply, LED drivers and completely customizable power solutions, designed for use in telecommunications, IT equipment, consumer electronic devices, security system, automation, medical equipments, smart home, LED lights and much more.

Yingjiao owns independent high-frequency transformer and SMT workshops, along with 22 production lines for manufacturing & assembling, sell over 660 million power supply products in the past years. Committed to total quality management through continuing improvement processes, including derating & reliability analytics testing, MTBF procedures are an integral part of our research and development, with quality assurance management in support of ISO9001 quality systems ensure that Yingjiao consistently offers the highest quality products for our customers.

Yingjiao products comply with RoHS, PAHS, REACH and WEEE standards, Achieve CoC V5 and DoE VI of efficiency level, obtained and maintained UL, cUL, FCC, TUV-GS, CB, CSA, PSE, RCM, KC, EAC, CE, EMC and CCC safety certificates.

In addition to our full line of products, Yingjiao is able to offer complete ODM/OEM product development to meet the individual requirements of our business partners.

Our Values

Yingjiao is committed to becoming your premier power supply partner. With unsurpassed customer service and professionalism, Yingjiao is uniquely suited to deliver market leading power supplies and LED drivers to meet your own specific requirements.

International Authoritative Certifications



Ultra-slim
Step Shape



YSD150S Series

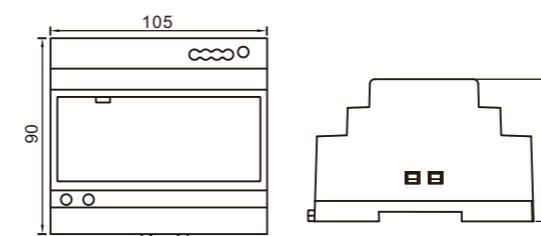
Ultra-slim Step Shape



Rated Power: 150W
Input: 100-240VAC, 50 / 60Hz
Standby Power: <0.3W
Adjustable DC Output Voltage
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	12V	15V	24V	48V
Output Current (max.)	11.3A	9.5A	6.25A	3.2A

Dimensions : (mm)



Safety standard:

UL62368-1
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032 : 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013

CB cULus FC CE RoHS

Electrical characteristics

ORDER NO.	YSD150S-12 (230V)	YSD150S-12 (115V)	YSD150S-24 (230V)	YSD150S-24 (115V)	YSD150S-24 (230V)	YSD150S-24 (115V)	YSD150S-48 (230V)	YSD150S-48 (115V)
Input Voltage:	100-240VAC							
Input Frequency:	47-63Hz							
Inrush Current:	25 Amps max. at 115VAC/60Hz,full load & 45Amps max. at 240VAC/50Hz,full load							
AC Current:	0.5A/115VAC 0.25A/230VAC							
Leakage Current: (MAX)	<0.25mA/240VAC							
Efficiency:	89%	89%	89.5%	89.5%	90%	90%	90%	90%
DC Voltage:	12V	12V	15V	15V	24V	24V	48V	48V
Rated Current :	11.3A	10.2A	9.5A	8.5A	6.25A	5.3A	3.2A	2.7A
Rated Power:	135.6W	122.4W	142.5W	127.5W	150W	127.4W	153.6W	130.6W
Ripple and Noise:	100mVp-p		120mVp-p		150mVp-p		150mVp-p	
Line Regulation:	±1%							
Load Regulation:	±1%							
Setup, Rise, Hold Up time:	500mS/60mS/12mS(115V/60HZ MAX ROAD), 500mS/60mS/30mS(230V/50HZ MAX ROAD)							
Operating Temperature:	-20°Cto50°C,Full load, Normal operation.							
Storage Temperature:	-40°C to 80°C							
Storage Humidity:	10 ~ 95% RH							
Working Humidity:	20% ~ 90% RH non-condensing							
Over Load Protection:	>130%-200% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed							
Over Voltage Protection:	110~145% Protection Type: Clamp by zener diode							
Short Circuit Protection:	Protection to Zero Voltage							
Over Current Protection:	110%-180%							

YSD100S Series

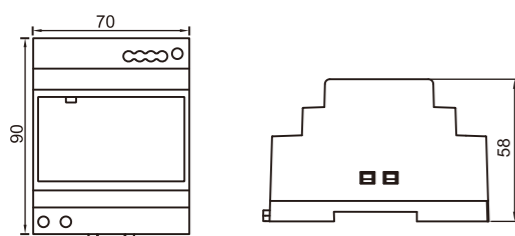
Ultra-slim Step Shape



Rated Power: 100W
Input: 100-240VAC, 50 / 60Hz
Standby Power: <0.3W
Adjustable DC Output Voltage
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	12V	15V	24V	48V
Output Current (max.)	7.5A	6.5A	4.2A	2.1A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 610000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD100S-1207500	YSD100S-1506500	YSD100S-2404200	YSD100S-4802100
Input Voltage:	100-240VAC			
Input Frequency:	47-63Hz			
Inrush Current:	35 Amps max. at 115VAC/60Hz,full load & 45Amps max. at 240VAC/50Hz,full load			
AC Current:	3A/115VAC 1.6A/230VAC			
Leakage Current: (MAX)	<0.25mA/240VAC			
Efficiency:	88%	89%	90%	90%
DC Voltage:	12V	15V	24V	48V
Rated Current :	7.5A	6.5A	4.2A	2.1A
Rated Power:	90W	97.5W	100.8W	100.8W
Ripple and Noise:	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Line Regulation:	±1%			
Load Regulation:	±1%			
Setup, Rise, Hold Up time:	500mS/60mS/12mS(115V/60HZ MAX ROAD), 500mS/60mS/30mS(230V/50HZ MAX ROAD)			
Operating Temperature:	-20°Cto50°C,Full load, Normal operation.			
Storage Temperature:	-40°C to 80°C			
Storage Humidity:	10 ~ 95% RH			
Working Humidity:	20% ~ 90% RH non-condensing			
Over Load Protection:	>130%-200% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Over Voltage Protection:	110~145% Protection Type: Clamp by zener diode			
Short Circuit Protection:	Protection to Zero Voltage			
Over Current Protection:	110%-180%			

YSD60S Series

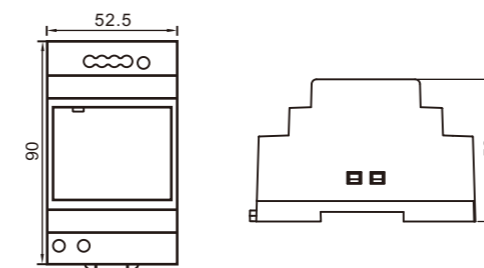
Ultra-slim Step Shape



Rated Power: 60W
Input: 100-240VAC, 50 / 60Hz
Standby Power: <0.3W
Adjustable DC Output Voltage
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	5V	12V	15V	24V	48V
Output Current (max.)	6.5A	4.5A	4A	2.5A	1.25A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 610000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD60S-0506500	YSD60S-1204500	YSD60S-1504000	YSD60S-2402500	YSD60S-4801250
Input Voltage:	100-240VAC				
Input Frequency:	47-63Hz				
Inrush Current:	30Amps max. at 115VAC/60Hz,full load & 60Amps max. at 240VAC/50Hz,full load				
AC Current:	1.2A/115VAC 0.8A/230VAC				
Leakage Current: (MAX)	<0.25mA/240VAC				
Efficiency:	85%	88%	89%	90%	91%
DC Voltage:	5V	12V	15V	24V	48V
Rated Current :	6.5A	4.5A	4A	2.5A	1.25A
Rated Power:	32.5W	54W	60W	60W	60W
Ripple and Noise:	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Line Regulation:	±1%				
Load Regulation:	±1%				
Setup, Rise, Hold Up time:	500mS/80mS/12mS(115V/60HZ MAX ROAD), 500mS/80mS/30mS(230V/50HZ MAX ROAD)				
Operating Temperature:	-20°Cto50°C,Full load, Normal operation.				
Storage Temperature:	-40°C to 80°C				
Storage Humidity:	10 ~ 95% RH				
Working Humidity:	20% ~ 90% RH non-condensing				
Over Load Protection:	>130%-200% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed				
Over Voltage Protection:	110~145% Protection Type: Clamp by zener diode				
Short Circuit Protection:	Protection to Zero Voltage				
Over Current Protection:	110%-180%				

YSD30S Series

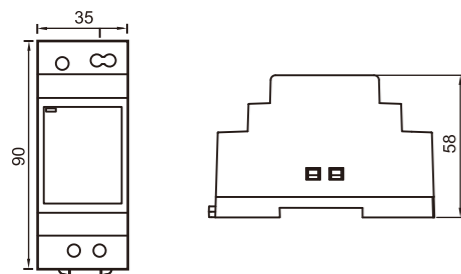
Ultra-slim Step Shape



Rated Power: 30W
Input: 100-240VAC, 50 / 60Hz
Standby Power: <0.3W
Adjustable DC Output Voltage
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	5V	12V	15V	24V	48V
Output Current (max.)	3A	2A	2A	1.25A	0.6A

Dimensions : (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD30S-0503000	YSD30S-1202000	YSD30S-150200	YSD30S-2401250	YSD30S-4800600
Input Voltage:	100-240VAC				
Input Frequency:	47-63Hz				
Inrush Current:	25 Amps max. at 115VAC/60Hz,full load & 45Amps max. at 240VAC/50Hz,full load				
AC Current:	0.88A/115VAC 0.48A/230VAC				
Leakage Current: (MAX)	<0.25mA/240VAC				
Efficiency:	82%	88%	89%	89%	90%
DC Voltage:	5V	12V	15V	24V	48V
Rated Current :	3A	2A	2A	1.25A	0.6A
Rated Power:	15W	24W	30W	30W	28.8W
Ripple and Noise:	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Line Regulation:	±1%				
Load Regulation:	±1%				
Setup, Rise, Hold Up time:	500mS/50mS/12mS(115V/60HZ MAX ROAD), 500mS/50mS/30mS(230V/50HZ MAX ROAD)				
Operating Temperature:	-20°Cto50°C,Full load, Normal operation.				
Storage Temperature:	-40°C to 80°C				
Storage Humidity:	10 ~ 95% RH				
Working Humidity:	20% ~ 90% RH non-condensing				
Over Load Protection:	>130%-200% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed				
Over Voltage Protection:	110~145% Protection Type: Clamp by zener diode				
Short Circuit Protection:	Protection to Zero Voltage				
Over Current Protection:	110%-180%				

YSD15S Series

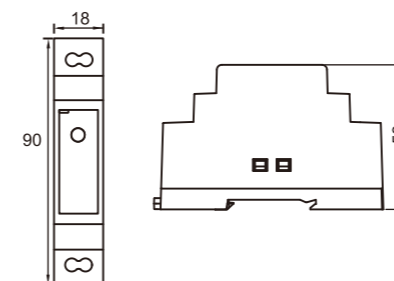
Ultra-slim Step Shape



Rated Power: 15W
Input: 100-240VAC, 50 / 60Hz
Standby Power: <0.3W
Adjustable DC Output Voltage
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	5V	12V	15V	24V	48V
Output Current (max.)	2.4A	1.25A	1A	0.63A	0.32A

Dimensions : (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD15S-0502400	YSD15S-1201250	YSD15S-1501000	YSD15S-2400630	YSD15S-4800320
Input Voltage:	100-240VAC				
Input Frequency:	47-63Hz				
Inrush Current:	25 Amps max. at 115VAC/60Hz,full load & 45Amps max. at 240VAC/50Hz,full load				
AC Current:	0.5A/115VAC 0.25A/230VAC				
Leakage Current: (MAX)	<0.25mA/240VAC				
Efficiency:	79%	85%	85%	86%	87%
DC Voltage:	5V	12V	15V	24V	48V
Rated Current :	2.4A	1.25A	1A	0.63A	0.32A
Rated Power:	12W	15W	15W	15.2W	15.3W
Ripple and Noise:	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Line Regulation:	±1%				
Load Regulation:	±1%				
Setup, Rise, Hold Up time:	2S/80mS/15mS(115V/60HZ MAX ROAD), 1S/80mS/30mS(230V/50HZ MAX ROAD)				
Operating Temperature:	-20°Cto50°C,Full load, Normal operation.				
Storage Temperature:	-40°C to 80°C				
Storage Humidity:	10 ~ 95% RH				
Working Humidity:	20% ~ 90% RH non-condensing				
Over Load Protection:	>130%-200% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed				
Over Voltage Protection:	110~145% Protection Type: Clamp by zener diode				
Short Circuit Protection:	Protection to Zero Voltage				
Over Current Protection:	110%-180%				

YSD100L-100 Series

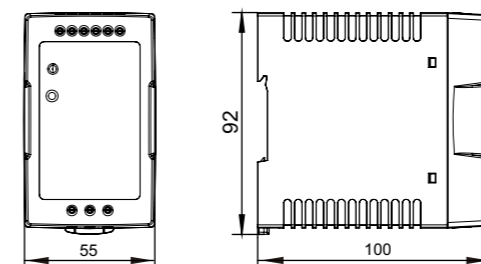
Slimline Shape



Rated Power: 100W
 Input: 100-240VAC, 50 / 60Hz
 Adjustable DC Output Voltage
 Built-in active PFC function, Class I
 DC OK relay contact
 Can be installed on DIN Rail TS-35 / 7.5 or 15
 Protection: Short Circuit, OCP, OVP,
 Output: 12-48V

Output Voltage (DC)	12V	24V	48V
Output Current (max.)	7.5A	4A	2A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
 IEC / EN6238-1, IEC / EN61558
 FCC PART15 CLASS B
 EN 55032: 2015

EN 55024: 2010+A1: 2015
 EN 61000-3-2: 2014
 EN 61000-3-3: 2013



Slimline Shape



Electrical characteristics

ORDER NO.	YSD100L-1207500	YSD100L-2404000	YSD100L-4802000
Input Voltage:	100-240VAC		
Input Frequency:	50/60Hz		
Inrush Current:	30A/115VAC 60A/230VAC		
AC Current:	1.3A/115VAC 0.8A/230VAC		
Efficiency:	83%	86%	87%
DC Voltage:	12V	24V	48V
Rated Current :	7.5A	4A	2A
Rated Power:	90W	96W	96W
Ripple and Noise:	120mVp-p	150mVp-p	200mVp-p
Line Regulation:	±1%		
Load Regulation:	±1%		
Setup, Rise, Hold Up time:	3000ms, 50ms/230VAC 300ms, 50ms/115VAC at full load		
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")		
Storage Temperature:	-40°C to 85°C		
Storage Humidity:	10 ~ 95% RH		
Working Humidity:	20% ~ 95% RH non-condensing		
Over Load Protection:	105%-150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed		
Over Voltage:	12V: 15.6 ~ 18V 24V: 31.2 ~ 36V 48V: 57.6 ~ 64.8V Protection type: Shut down o/p voltage, re-power on to recover		
Over Temperature:	Shut down o/p voltage, re-power on to recover		

YSD60L-60 Series

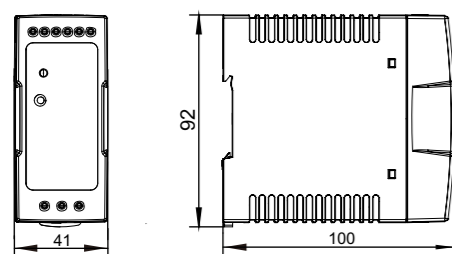
Slimline Shape



Rated Power: 60W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
DC OK relay contact. Class I
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	5V	12V	24V	48V
Output Current (max.)	10A	5A	2.5A	1.25A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD60L-05010000	YSD60L-1205000	YSD60L-2402500	YSD60L-4801250
Input Voltage:	100-240VAC			
Input Frequency:	50/60Hz			
Inrush Current:	30A/115VAC 60A/230VAC			
AC Current:	1.8A/115VAC 1A/230VAC			
Efficiency:	78%	86%	88%	87%
DC Voltage:	5V	12V	24V	48V
Rated Current:	10A	5A	2.5A	1.25A
Rated Power:	50W	60W	60W	60W
Ripple and Noise:	80mVp-p	120mVp-p	150mVp-p	200mVp-p
Line Regulation:	±1%			
Load Regulation:	±1%			
Setup, Rise, Hold Up time:	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load			
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")			
Storage Temperature:	-40°C to 85°C			
Storage Humidity:	10 ~ 95% RH			
Working Humidity:	20 ~ 95% RH non-condensing			
Over Load Protection:	105%-150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Over Voltage:	5V: 6.25~ 7.25V 12V: 15.6 ~ 18V 24V:31.2 ~ 36V 48V: 57.6 ~64.8V Protection type: Shut down o/p voltage, re-power on to recover			
Over Temperature:	Shut down o/p voltage, re-power on to recover			

YSD60L-40 Series

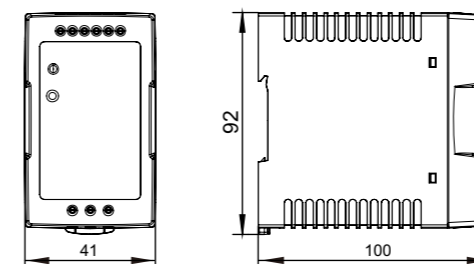
Slimline Shape



Rated Power: 40W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
DC OK relay contact. Class I
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 5-48V

Output Voltage (DC)	5V	12V	24V	48V
Output Current (max.)	6A	3.33A	1.7A	0.83A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD60L-0506000	YSD60L-1203330	YSD60L-2401700	YSD60L-4800830
Input Voltage:	100-240VAC			
Input Frequency:	50/60Hz			
Inrush Current:	30A/115VAC 60A/230VAC			
AC Current:	1.1A/115VAC 0.7A/230VAC			
Efficiency:	78%	86%	88%	88%
DC Voltage:	5V	12V	24V	48V
Rated Current:	6A	3.33A	1.7A	0.83A
Rated Power:	30W	40W	40W	40W
Ripple and Noise:	80mVp-p	120mVp-p	150mVp-p	200mVp-p
Line Regulation:	±2%	±1%		
Load Regulation:	±1%			
Setup, Rise, Hold Up time:	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load			
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")			
Storage Temperature:	-40°C to 85°C			
Storage Humidity:	10 ~ 95% RH			
Working Humidity:	20 ~ 95% RH non-condensing			
Over Load Protection:	105%-150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Over Voltage:	5V: 6.25~ 7.25V 12V: 15.6 ~ 18V 24V: 31.2 ~ 36V 48V: 57.6 ~64.8V Protection type: Shut down o/p voltage, re-power on to recover			
Over Temperature:	Shut down o/p voltage, re-power on to recover			

YSD20L-20 Series

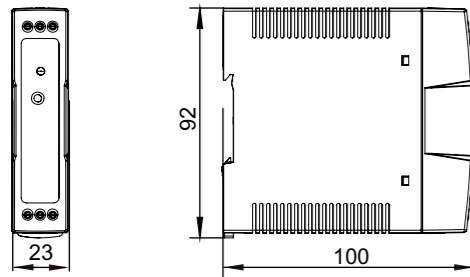
Slimline Shape



Rated Power: 20W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
DC OK signal output. Class I
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 5-24V

Output Voltage (DC)	5V	12V	15V	24V
Output Current (max.)	3A	1.67A	1.34A	1A

Dimensions : (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD20L-0503000	YSD20L-1201670	YSD20L-1501340	YSD20L-2401000
Input Voltage:	100-240VAC			
Input Frequency:	50/60Hz			
Inrush Current:	35A/115VAC 70A/230VAC			
AC Current:	0.33A/115VAC 0.21A/230VAC			
Efficiency:	76%	80%	81%	84%
DC Voltage:	5V	12V	15V	24V
Rated Current :	3A	1.67A	1.34A	1A
Rated Power:	15W	20W	20W	24W
Ripple and Noise:	80mVp-p	120mVp-p	120mVp-p	150mVp-p
Line Regulation:	±2%	±1%		
Load Regulation:	±1%			
Setup, Rise, Hold Up time:	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load			
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")			
Storage Temperature:	-40°C to 85°C			
Storage Humidity:	10 ~ 95% RH			
Working Humidity:	20 ~ 95% RH non-condensing			
Over Load Protection:	105%-150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Over Voltage:	5V: 5.75~ 6.75V 12V: 13.8 ~ 16.2V 15V: 17.25 ~ 20.25V 24V: 27.6 ~ 32.4V Protection type: Shut down o/p voltage, re-power on to recover			
Over Temperature:	Shut down o/p voltage, re-power on to recover			

YSD20L-10 Series

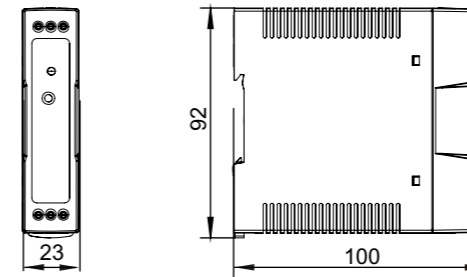
Slimline Shape



Rated Power: 10W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
DC OK signal output. Class I
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 5-24VDV

Output Voltage (DC)	5V	12V	15V	24V
Output Current (max.)	2A	0.84A	0.67A	0.42A

Dimensions : (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSD20L-0502000	YSD20L-1200840	YSD20L-1500670	YSD20L-2400420
Input Voltage:	100-240VAC			
Input Frequency:	50/60Hz			
Inrush Current:	35A/115VAC 70A/230VAC			
AC Current:	0.33A/115VAC 0.21A/230VAC			
Efficiency:	77%	81%	81%	84%
DC Voltage:	5V	12V	15V	24V
Rated Current :	2A	0.84A	0.67A	0.42A
Rated Power:	10W	10W	10W	10W
Ripple and Noise:	80mVp-p	120mVp-p	120mVp-p	150mVp-p
Line Regulation:	±1%			
Load Regulation:	±5%	±3%	±3%	±2%
Setup, Rise, Hold Up time:	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load			
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")			
Storage Temperature:	-40°C to 85°C			
Storage Humidity:	10 ~ 95% RH			
Working Humidity:	20 ~ 95% RH non-condensing			
Over Load Protection:	105%-150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
Over Voltage:	5V: 5.75~ 6.75V 12V: 13.8 ~ 16.2V 15V: 17.25 ~ 20.25V 24V: 27.6 ~ 32.4V Protection type: Shut down o/p voltage, re-power on to recover			
Over Temperature:	Shut down o/p voltage, re-power on to recover			

YSDH960 Series

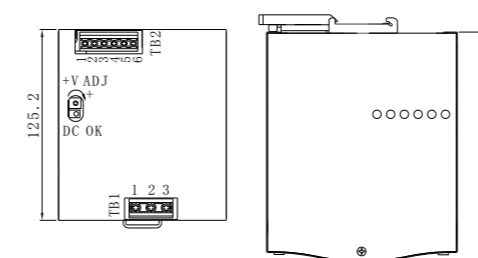
Industrial Metal Case Shape



Rated Power: 960W
 Input: 100-240VAC, 50 / 60Hz
 Adjustable DC Output Voltage
 Built-in active PFC function
 DC OK relay contact
 Can be installed on DIN Rail TS-35 / 7.5 or 15
 Protection: Short Circuit, OCP, OVP
 Output: 12-55V

Output Voltage (DC)	24V	48V
Output Current (max.)	40A	20A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
 IEC / EN6238-1, IEC / EN61558
 FCC PART15 CLASS B
 EN 55032: 2015

EN 55024: 2010+A1: 2015
 EN 61000-3-2: 2014
 EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDH960-24040000	YSDH960-48020000
Input Voltage:	180-264VAC	
Input Frequency:	50/60Hz	
Inrush Current:	50A/230VAC	
AC Current:	4.8A/115VAC 2.4A/230VAC	
Efficiency:	95.5%	92.5%
DC Voltage:	24V	48V
Rated Current :	40A	20A
Rated Power:	960W	960W
Ripple and Noise:	180mVp-p	250mVp-p
Line Regulation:	±0.5%	
Load Regulation:	±1%	
Setup, Rise, Hold Up time:	1500ms,100ms/230VAC 3000ms, 100ms/115VAC	
Operating Temperature:	-20°C to 50°C, Full load, Normal operation.	
Storage Temperature:	-40°C to 80°C	
Storage Humidity:	10 ~ 95% RH	
Working Humidity:	20% ~ 90% RH non-condensing	
Over Load Protection:	110%-160% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed	
Over Voltage:	24V: 29 ~ 33V 48V: 56 ~ 65V Protection type: Shut down o/p voltage, re-power on to recover	
Over Temperature:	Shut down o/p voltage, re-power on to recover	



Industrial Metal Case Shape

YSDN480 Series

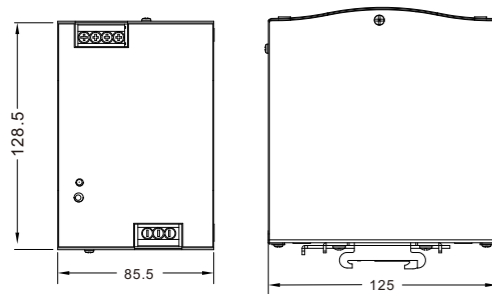
Industrial Metal Case Shape



Rated Power: 480W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
Built-in active PFC function
DC OK relay contact
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 12-55V

Output Voltage (DC)	24V	48V
Output Current (max.)	20A	10A

Dimensions : (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 610000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDN480-24020000	YSDN480-48010000
Input Voltage:	100-240VAC	
Input Frequency:	50/60Hz	
Inrush Current:	20A/115VAC 35A/230VAC	
AC Current:	4.8A/115VAC 2.4A/230VAC	
Efficiency:	95.5%	92.5%
DC Voltage:	24V	48V
Rated Current :	20A	10A
Rated Power:	480W	480W
Ripple and Noise:	150mVp-p	150mVp-p
Line Regulation:	±0.5%	
Load Regulation:	±1%	
Setup, Rise, Hold Up time:	1500ms,100ms/230VAC 3000ms, 100ms/115VAC	
Operating Temperature:	-20°C to 50°C, Full load, Normal operation.	
Storage Temperature:	-40°C to 80°C	
Storage Humidity:	10 ~ 95% RH	
Working Humidity:	20% ~ 90% RH non-condensing	
Over Load Protection:	110%-160% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed	
Over Voltage:	24V: 29 ~ 33V 48V: 56 ~ 65V Protection type: Shut down o/p voltage, re-power on to recover	
Over Temperature:	Shut down o/p voltage, re-power on to recover	

YSDN240 Series

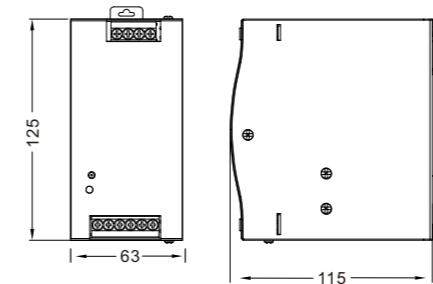
Industrial Metal Case Shape



Rated Power: 240W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
Built-in active PFC function
DC OK relay contact
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 12-55V

Output Voltage (DC)	24V	48V
Output Current (max.)	10A	5A

Dimensions : (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 610000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDN240-24010000	YSDN240-48005000
Input Voltage:	100-240VAC	
Input Frequency:	50/60Hz	
Inrush Current:	20A/115VAC 35A/230VAC	
AC Current:	2.5A/115VAC 1.3A/230VAC	
Efficiency:	88.5%	90%
DC Voltage:	24V	48V
Rated Current :	10A	5A
Rated Power:	240W	240W
Ripple and Noise:	150mVp-p	150mVp-p
Line Regulation:	±1%	
Load Regulation:	±1%	
Setup, Rise, Hold Up time:	500mS/80mS/12mS(115V/60HZ MAX ROAD), 500mS/80mS/30mS(230V/50HZ MAX ROAD)	
Operating Temperature:	-20°C to 50°C, Full load, Normal operation.	
Storage Temperature:	-40°C to 80°C	
Storage Humidity:	10 ~ 95% RH	
Working Humidity:	20% ~ 90% RH non-condensing	
Over Load Protection:	110%-160% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed	
Over Voltage:	24V: 29 ~ 33V 48V: 56 ~ 65V Protection type: Shut down o/p voltage, re-power on to recover	
Over Temperature:	Shut down o/p voltage, re-power on to recover	

YSDN150 Series

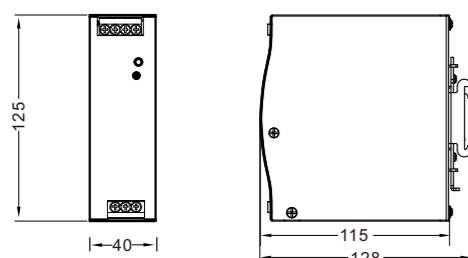
Industrial Metal Case Shape



Rated Power: 150W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
DC OK relay contact
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 12-55V

Output Voltage (DC)	24V
Output Current (max.)	6.5A

Dimensions : (mm)



Safety standard:

UL 62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 610000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDN150-24006500
Input Voltage:	100-240VAC
Input Frequency:	50/60Hz
Inrush Current:	25 Amps max. at 115VAC/60Hz, full load & 45Amps max. at 240VAC/50Hz, full load
AC Current:	0.88A/115VAC 0.48A/230VAC
Efficiency:	87%
DC Voltage:	12-24V
Rated Current :	0 ~ 6.5A / 230VAC 0 ~ 5.2A / 115VAC
Rated Power:	156W / 230VAC 125W / 115VAC
Ripple and Noise:	150mVp-p
Line Regulation:	±0.5%
Load Regulation:	±1%
Setup, Rise, Hold Up time:	1500ms, 60ms/230VAC 3000ms, 60ms/115VAC at full load
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")
Storage Temperature:	-40°C ~ 85°C
Storage Humidity:	10 ~ 95% RH
Working Humidity:	20% ~ 90% RH non-condensing
Over Load Protection:	110%-160% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed
Over Voltage:	29 ~ 33V Protection type: Shut down o/p voltage, re-power on to recover
Over Temperature:	Shut down o/p voltage, re-power on to recover

YSDN120 Series

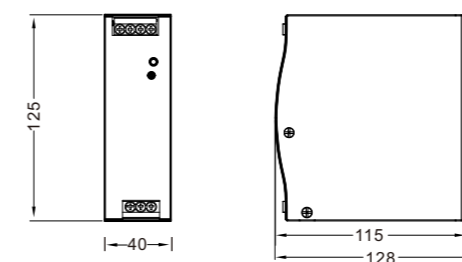
Industrial Metal Case Shape



Rated Power: 120W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
DC OK relay contact
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 12-55V

Output Voltage (DC)	12V	24V	48V
Output Current (max.)	10A	5A	2.5A

Dimensions : (mm)



Safety standard:

UL 62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 610000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDN120-12010000	YSDN120-24005000	YSDN120-48002500
Input Voltage:	100-240VAC		
Input Frequency:	50/60Hz		
Inrush Current:	20A/115VAC 35A/230VAC		
AC Current:	2.5A/115VAC 1.3A/230VAC		
Efficiency:	85.5%	88%	89%
DC Voltage:	12V	24V	48V
Rated Current :	10A	5A	2.5A
Rated Power:	120W	120W	120W
Ripple and Noise:	100mVp-p	120mVp-p	240mVp-p
Line Regulation:	±0.5%		
Load Regulation:	±1%		
Setup, Rise, Hold Up time:	16ms/230VAC 10ms/115VAC at full load		
Operating Temperature:	-20 ~ +70 (Refer to "Derating Curve")		
Storage Temperature:	-40°C to 85°C		
Storage Humidity:	10 ~ 95% RH		
Working Humidity:	20% ~ 90% RH non-condensing		
Over Load Protection:	110%-160% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed		
Over Voltage:	24V: 29 ~ 33V 48V: 56 ~ 65V Protection type: Shut down o/p voltage, re-power on to recover		
Over Temperature:	Shut down o/p voltage, re-power on to recover		

YSDN75 Series

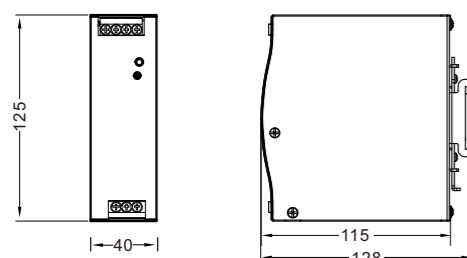
Industrial Metal Case Shape



Rated Power: 75W
Input: 100-240VAC, 50 / 60Hz
Adjustable DC Output Voltage
Built-in active PFC function
DC OK relay contact
Can be installed on DIN Rail TS-35 / 7.5 or 15
Protection: Short Circuit, OCP, OVP
Output: 12-55V

Output Voltage (DC)	12V	24V	48V
Output Current (max.)	6.3A	3.2A	1.6A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDN75-1206300	YSDN75-2403200	YSDN75-4801600
Input Voltage:	100-240VAC		
Input Frequency:	50/60Hz		
Inrush Current:	20A/115VAC 35A/230VAC		
AC Current:	1.45A/115VAC 0.9A/230VAC		
Efficiency:	85.5%	87.5%	88.5%
DC Voltage:	12V	24V	48V
Rated Current :	6.3A	3.2A	1.6A
Rated Power:	75.6W	76.8W	76.8W
Ripple and Noise:	80mVp-p	120mVp-p	150mVp-p
Line Regulation:	±0.5%		
Load Regulation:	±1%		
Setup, Rise, Hold Up time:	1200ms, 60ms/230VAC 2000ms, 60ms/115VAC at full load		
Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")		
Storage Temperature:	-40°C to 85°C		
Storage Humidity:	10 ~ 95% RH		
Working Humidity:	20% ~ 95% RH non-condensing		
Over Load Protection:	110%-160% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed		
Over Voltage:	12V: 14 ~ 17V 24V: 29 ~ 33V 48V: 56 ~ 65V Protection type: Shut down o/p voltage, re-power on to recover		
Over Temperature:	Shut down o/p voltage, re-power on to recover		

Supplementary
Modules



YSDU20-24 Series

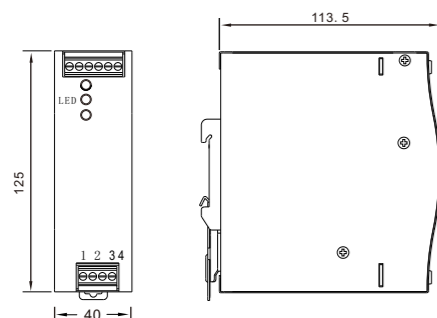
DC-UPS Modules



Uninterruptible DC-UPS controller
Parallel connection to DC BUS
Suitable for 24V system, up to 20A
2A Battery charging current
Allows 4AH~135AH lead-acid various battery capacities
LED indicator for signal status
Protections: Battery reverse polarity protection & short circuit
(By internal detection)/Battery discharge/Over discharge current

Input Voltage (DC)	24V
Input Current (max.)	20A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015



Electrical characteristics

ORDER NO.	YSDU 20-24	
DC UPS INPUT	NORMAL INPUT VOLTAGE:	24VDC
	INPUT VOLTAGE RANGE:	24~29VDC
	RATED CURRENT:	20A
DC UPS INPUT	VOLTAGE RANGE:	21~29Vdc
	DISCHARGE CURRENT RANGE:	0 ~ 20A
	CHARGING CURRENT:	2A
BATTERY	NORMAL BATTERY VOLTAGE:	24Vdc (2 x 12Vdc in series or 1 x 24Vdc)
	BATTERY TYPE / CAPACITIES:	Lead-acid battery, 4AH ~ 135AH
PROTECTION	BATTERY POLARITY:	Protected by internal detection, No Damage, recovers automatically after fault conduction is removed
	SHORT CIRCUIT:	This protection only works when batteries are not connected. External fuse is recommended, No Damage when batteries are connected.
	OVER DISCHARGE CURRENT:	21 ~ 23A, After 3 sec. unit will cut-off battery discharging by relay
	BATTERY DEEP DISCHARGE:	Cut-off battery discharging by relay
FUNCTION	RELAY CONTACT RATINGS (max.):	30VDC/1A resistive load
	DC BUS OK	Relay contact: Short when DC voltage between 21~29V(±2%), relay contacts LED(Green): DC BUS OK: light; DC BUS fail: dark
	BATTERY FAIL:	Short when battery voltage falls below 22V(±2%) or battery failure is observed through the battery test function, relay contacts LED(Red): Battery over-discharge warning or battery broken: light; Battery OK: dark
	BATTERY DISCHARGE:	Relay contact: Short when battery in discharge condition, relay contacts LED(Yellow): light; Battery discharging; dark; Battery is not discharging or discharging current < 1.0A
ENVIRONMENT	WORKING TEMP:	-30 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY:	5 ~ 95% RH non-condensing
	STORAGE TEMP:	-40 ~ +85°C
	TEMP. COEFFICIENT:	0.03%/±°C(0 ~ 60)°C

YSDU40-24 Series

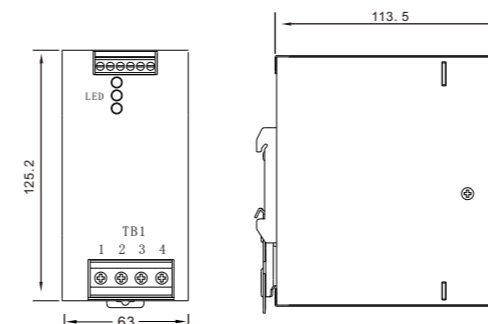
DC-UPS Modules



Uninterruptible DC-UPS controller
Parallel connection to DC BUS
Suitable for 24V system, up to 40A
2A Battery charging current
Allows 4AH~135AH lead-acid various battery capacities
LED indicator for signal status
Protections: Battery reverse polarity protection & short circuit
(By internal detection)/Battery discharge/Over discharge current

Input Voltage (DC)	24V
Input Current (max.)	40A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015



Electrical characteristics

ORDER NO.	YSDU40-24	
DC UPS INPUT	NORMAL INPUT VOLTAGE:	24VDC
	INPUT VOLTAGE RANGE:	24~29VDC
	RATED CURRENT:	40A
DC UPS INPUT	VOLTAGE RANGE:	24~29Vdc
	DISCHARGE CURRENT RANGE:	0 ~ 40A
	CHARGING CURRENT:	2A
BATTERY	NORMAL BATTERY VOLTAGE:	24Vdc (2 x 12Vdc in series or 1 x 24Vdc)
	BATTERY TYPE / CAPACITIES:	Lead-acid battery, 4AH ~ 135AH
PROTECTION	BATTERY POLARITY:	Protected by internal detection, No Damage, recovers automatically after fault conduction is removed
	SHORT CIRCUIT:	This protection only works when batteries are not connected. External fuse is recommended, No Damage when batteries are connected.
	OVER DISCHARGE CURRENT:	42 ~ 46A, After 3 sec. unit will cut-off battery discharging by relay
	BATTERY DEEP DISCHARGE:	Cut-off battery discharging by relay
FUNCTION	RELAY CONTACT RATINGS (max.):	30VDC/1A resistive load
	DC BUS OK	Relay contact: Short when DC voltage between 21~29V(±2%), relay contacts LED(Green): DC BUS OK: light; DC BUS fail: dark
	BATTERY FAIL:	Short when battery voltage falls below 22V(±2%) or battery failure is observed through the battery test function, relay contacts LED(Red): Battery over-discharge warning or battery broken: light; Battery OK: dark
	BATTERY DISCHARGE:	Relay contact: Short when battery in discharge condition, relay contacts LED(Yellow): light; Battery discharging; dark; Battery is not discharging or discharging current < 2.0A
ENVIRONMENT	WORKING TEMP:	-30 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY:	5 ~ 95% RH non-condensing
	STORAGE TEMP:	-40 ~ +85°C
	TEMP. COEFFICIENT:	0.03%/±°C(0 ~ 60)°C

YSDB20-24 Series

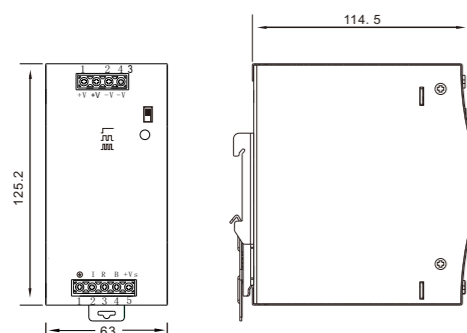
Buffer Modules



Buffering with electrolytic capacitors instead of lead acid batteries
Type buffering time of 350ms @22Vdc / 20A
Buffer mode selectable by switch:
fixed mode at 22Vdc
Dynamic mode for Vin-1Vdc
LED indicator for signal status
Supports parallel connection to extend buffering time
Cooling by free air convection

Operating Voltage (DC)	24V
Output Current (max.)	20A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015



Electrical characteristics

ORDER NO.		YSDB20-24			
CHARGING MODE	DC NORMAL OPERATING VOLTAGE:	24VDC			
	CHARGING VOLTAGE:	23~30Vdc			
	CHARGING CURRENT:	900m Max			
	CURRENT CONSUMPTION AT STANDBY:	100mA Max			
	CHARGING TIME:	15s Typ. 25s Max			
BUFFER MODE	DC NORMAL VOLTAGE:	22Vdc/Vin-1Vdc			
	DC VOLTAGE RANGE:	22-29Vdc			
	OUTPUT CURRENT (max.):	20A			
	BUFFER TIME: (Refer to Buffering Curve at 22Vdc)	Output current	20A	10A	0.1A
		Typ.	350ms	700ms	45s
Min		250ms	500ms	30ms	
RIPPLE & NOISE (max.)	200mVp-p				
PROTECTION	Over voltage / Overload / Short circuit / Reverse polarity				
FUNCTION	SELECTABLE BY SWITCH:	Fix 22Vdc(Default)	Buffering starts if terminal voltage falls below 22Vdc		
		Vin-1Vdc	Buffering starts if terminal voltage is decreased by > 1Vdc		
	CONTROL:	Inhibit (I)	+Vs - V(I) < 6Vdc: Buffer module ON; Vs - V(I) 10Vdc: Buffer module OFF		
			35Vdc / 4mA Max		
	SIGNALS:	Ready (R)	Charged ready: V(R) > +Vs - 2Vdc; Unready: V(R) < 1Vdc		
		Buffering (B)	35Vdc / 10mA Max.		
Buffering: V(B) > +Vs - 2Vdc; Other mode: V(B) < 1Vdc					
Supply Voltage(+Vs)	35Vdc / 10mA Max.				
ENVIRONMENTAL	WORKING TEMP:	-20°C to 75°C, Refer to Derating Curve			

YSDB40-24 Series

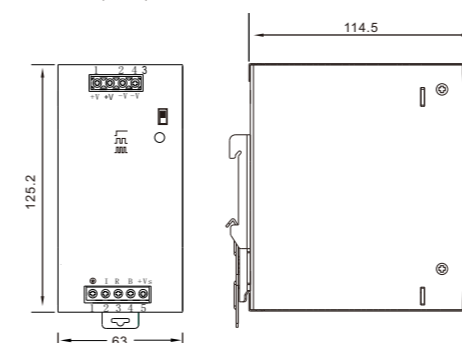
Buffer Modules



Buffering with electrolytic capacitors instead of lead acid batteries
Type buffering time of 350ms @22Vdc / 40A
Buffer mode selectable by switch:
fixed mode at 22Vdc
Dynamic mode for Vin-1Vdc
LED indicator for signal status
Supports parallel connection to extend buffering time
Cooling by free air convection

Operating Voltage (DC)	24V
Output Current (max.)	40A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015



Electrical characteristics

ORDER NO.		YSDB40-24			
CHARGING MODE	DC NORMAL OPERATING VOLTAGE:	24VDC			
	CHARGING VOLTAGE:	23~30Vdc			
	CHARGING CURRENT:	900m Max			
	CURRENT CONSUMPTION AT STANDBY:	100mA Max			
	CHARGING TIME:	25s Typ. 35s Max			
BUFFER MODE	DC NORMAL VOLTAGE:	22Vdc/Vin-1Vdc			
	DC VOLTAGE RANGE:	22-29Vdc			
	OUTPUT CURRENT (max.):	40A			
	BUFFER TIME: (Refer to Buffering Curve at 22Vdc)	Output current	40A	20A	0.1A
		Typ.	250ms	500ms	62s
Min		160ms	320ms	42ms	
RIPPLE & NOISE (max.)	350mVp-p				
PROTECTION	Over voltage / Overload / Short circuit / Reverse polarity				
FUNCTION	SELECTABLE BY SWITCH:	Fix 22Vdc(Default)	Buffering starts if terminal voltage falls below 22Vdc		
		Vin-1Vdc	Buffering starts if terminal voltage is decreased by > 1Vdc		
	CONTROL:	Inhibit (I)	+Vs - V(I) < 6Vdc: Buffer module ON; Vs - V(I) 10Vdc: Buffer module OFF		
			35Vdc / 4mA Max		
	SIGNALS:	Ready (R)	Charged ready: V(R) > +Vs - 2Vdc; Unready: V(R) < 1Vdc		
		Buffering (B)	35Vdc / 10mA Max.		
Buffering: V(B) > +Vs - 2Vdc; Other mode: V(B) < 1Vdc					
Supply Voltage(+Vs)	35Vdc / 10mA Max.				
ENVIRONMENTAL	WORKING TEMP:	-20°C to 75°C, Refer to Derating Curve			

YSDR20-24 Series

Redundancy Modules

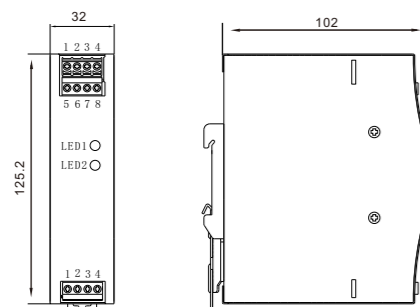


Features

Support 1+1 and N+1 redundancy system
2 channels input and 1 output
Suitable for redundancy operation of 12V/24V/48V system
Output current up to 20A
Cooling by free air convection
Built-in 2 channels DC OK signal and alarm relay contact
Installed on DIN Rail TS35/7.5 or 15

Input Voltage (DC)	12V	24V	48V
Output Current (max.)	20A	20A	20A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDR20-12	YSDR20-24	YSDR20-48	
INPUT	DC NORMAL VOLTAGE:	12Vdc	24Vdc	48Vdc
	DC VOLTAGE RANGE:	9~14Vdc	19~29Vdc	36~60Vdc
	RATED CURRENT:	0~20A per input Continuous		
	VOLTAGE DROP (Vin-Vout) (max.):	0.25V		
	PEAK CURRENT:	0~30A per input 5Sec		
	EFFICIENCY (Typ.):	98%		
OUTPUT	RATED CURRENT:	0~20A, Continuous		
	PEAK CURRENT (max.):	60A, 5Sec		
	CAPACITANCE (Typ.):	320uF		
	STANDBY POWER LOSSES (Typ.):	1.5W		
PROTECTION	OVERLOAD:	<30A, 5Sec. No damage		
	SHORT CIRCUIT:	<30A, 5Sec. No damage		
FUNCTION	REDUNDANCY:	For 1+1 redundancy, and support N+1 redundancy		
	BOTH INPUTS VOLTAGE ALARM:	<8.5V or >14.7V (± 5%)	<18V or >31V (± 5%)	<34.2V or >63V (± 5%)
	RELAY:	30Vdc/1A resistive load		
	LED STATUS DISPLAY:	Green LED OK		
ENVIRONMENT	COOLING:	Free air convection		
	WORKING TEMP.:	-40 ~ +80 (Refer to "Derating Curve")		
	WORKING HUMIDITY:	5 ~ 95% RH non-condensing		
	STORAGE TEMP.:	-40 ~ +85°C		
SAFETY & EM	SAFETY STANDARDS:	IEC62368-1, UL62368-1, approved		
	EMC EMISSION:	BS EN/EN55032(CISPR32) Test Level / Note		
	EMC IMMUNITY:	BS EN/EN61000-4-2, 3, 4, 5, 6, 8		

YSDR40-24 Series

Redundancy Modules

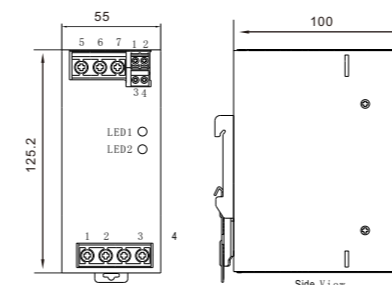


Features

Support 1+1 and N+1 redundancy system
2 channels input and 1 output
Suitable for redundancy operation of 12V/24V/48V system
Output current up to 40A
Cooling by free air convection
Built-in 2 channels DC OK signal and alarm relay contact
Installed on DIN Rail TS35/7.5 or 15

Input Voltage (DC)	12V	24V	48V
Output Current (max.)	40A	40A	40A

Dimensions: (mm)



Safety standard:

UL62368-1, UL508
IEC / EN6238-1, IEC / EN61558
FCC PART15 CLASS B
EN 55032: 2015

EN 55024: 2010+A1: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013



Electrical characteristics

ORDER NO.	YSDR40-12	YSDR40-24	YSDR40-48	
INPUT	DC NORMAL VOLTAGE:	12Vdc	24Vdc	48Vdc
	DC VOLTAGE RANGE:	9~14Vdc	19~29Vdc	36~60Vdc
	RATED CURRENT:	0~40A per input Continuous		
	VOLTAGE DROP (Vin-Vout) (max.):	0.3V		
	PEAK CURRENT:	0~60A per input 5Sec		
	EFFICIENCY (Typ.):	98%		
OUTPUT	RATED CURRENT:	0~20A, Continuous		
	PEAK CURRENT (max.):	60A, 5Sec		
	CAPACITANCE (Typ.):	320uF		
	STANDBY POWER LOSSES (Typ.):	1.5W		
PROTECTION	OVERLOAD:	<60A, 5Sec. No damage		
	SHORT CIRCUIT:	<60A, 5Sec. No damage		
FUNCTION	REDUNDANCY:	For 1+1 redundancy, and support N+1 redundancy		
	BOTH INPUTS VOLTAGE ALARM:	<8.5V or >14.7V (± 5%)	<18V or >31V (± 5%)	<34.2V or >63V (± 5%)
	RELAY:	30Vdc/1A resistive load		
	LED STATUS DISPLAY:	Green LED OK		
ENVIRONMENT	COOLING:	Free air convection		
	WORKING TEMP.:	-40 ~ +80 (Refer to "Derating Curve")		
	WORKING HUMIDITY:	5 ~ 95% RH non-condensing		
	STORAGE TEMP.:	-40 ~ +85°C		
SAFETY & EM	SAFETY STANDARDS:	IEC62368-1, UL62368-1, approved		
	EMC EMISSION:	BS EN/EN55032(CISPR32) Test Level / Note		
	EMC IMMUNITY:	BS EN/EN61000-4-2, 3, 4, 5, 6, 8		

Workshops & Equipments



Automatic assembling line of transformers



SMT Lines



Automatic aging test lines

Automatic injection molding workshop



Testing & Verification Center



Automatic Encapsulating Workshop



DIP Lines



Transformer workshop