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DIN Rail Power Supply



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DIN Rail Power Supply



15-20 | Industrial Metal Case Shape
DIN Rail Power Supply



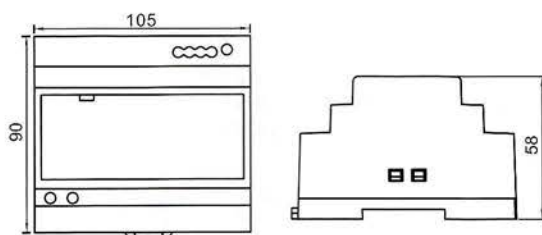
22-28 | Supplementary Modules
DIN Rail Power Supply





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

Dimensions: (mm)



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

Safety standard:

UL62368-1
 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

CB    RoHS

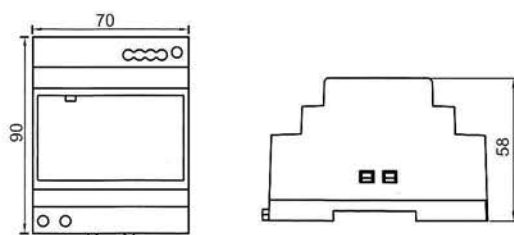
Electrical characteristics

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℃to50℃,Full load, Normal operation.							
Storage Temperature:	-40℃to 80℃							
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%							



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

Dimensions: (mm)



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

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

CB SCHEME    RoHS

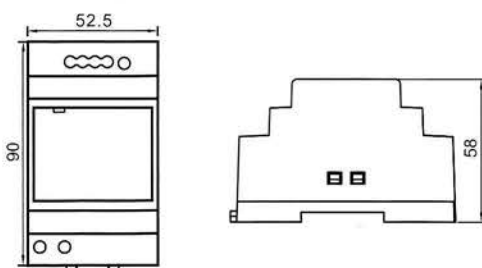
Electrical characteristics

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℃to50℃,Full load, Normal operation.			
Storage Temperature:	-40℃ to 80℃			
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%			



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

Dimensions: (mm)



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

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

CB cULus FC CE RoHS

Electrical characteristics

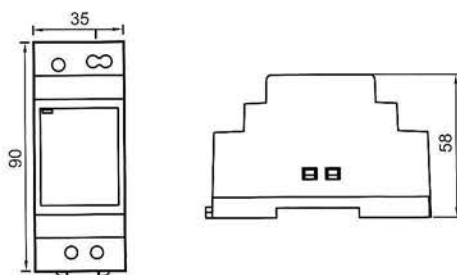
ORDER NO.	YSD60S-0506500	YSD60S-1204500	YSD60S-1504000	YSD60S-2402500	YSD60S-4801250
Input Voltage:	100-240VAC				
Input Frequency:	47-63Hz				
Inrush Current:	30Amps max. at 115VAC/60Hz, full load & 60Amps max. at 240VAC/50Hz, full load				
AC Current:	1.2A/115VAC 0.8A/230VAC				
Leakage Current: (MAX)	<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℃to50℃, Full load, Normal operation.				
Storage Temperature:	-40℃ to 80℃				
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%				



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 610000-3-2: 2014
 EN 61000-3-3: 2013

CB     RoHS

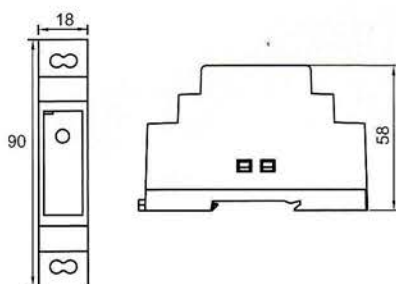
Electrical characteristics

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℃to50℃, Full load, Normal operation.				
Storage Temperature:	-40℃ to 80℃				
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%				



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

Dimensions: (mm)



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

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

CB cULus FC CE RoHS

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°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:	>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%				

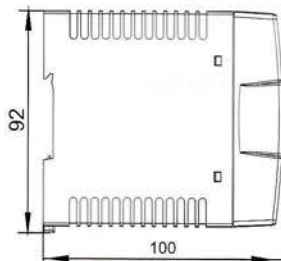
Slimline Shape





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 610000-3-2: 2014
 EN 61000-3-3: 2013

CB SCHEME    RoHS

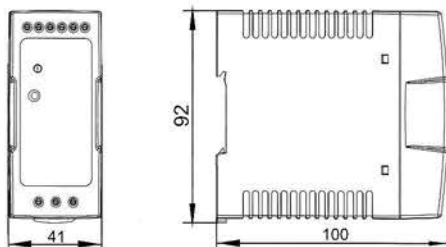
Electrical characteristics

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		



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

Dimensions: (mm)



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

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

CB cULus FC CE RoHS

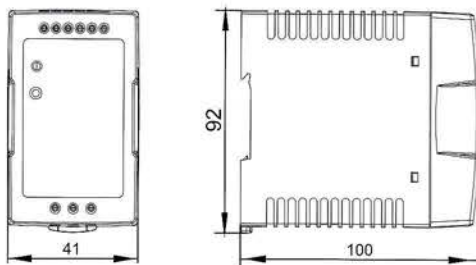
Electrical characteristics

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			



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

Dimensions: (mm)



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

Safety standard:

UL 62368-1, UL 508
 IEC / EN 6238-1, IEC / EN 61558
 FCC PART 15 CLASS B
 EN 55032: 2015

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

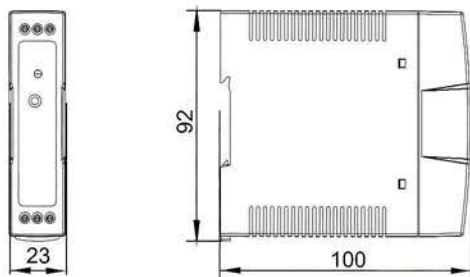
CB    RoHS

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℃ to 85℃			
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			



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

Dimensions: (mm)


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

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

CB SCHEME cULUS FC CE RoHS

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

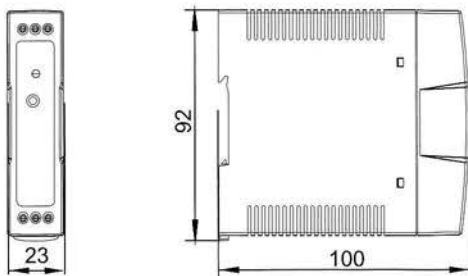
Slimline Shape



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 610000-3-2: 2014
 EN 61000-3-3: 2013

CB SCHEME    RoHS

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			

Industrial Metal Case Shape



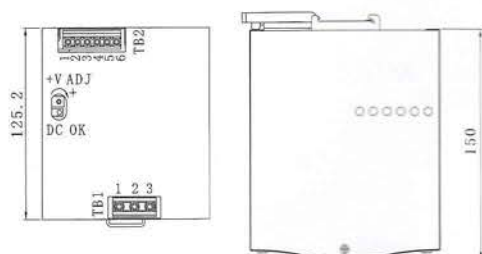
YSDH960 Series

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

Dimensions: (mm)



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

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

CB SCHEME    RoHS

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℃to 50℃,Full load, Normal operation.	
Storage Temperature:	-40℃ to 80℃	
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	

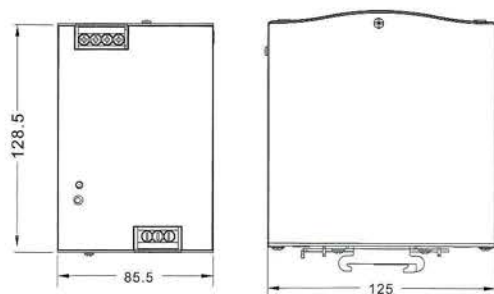
YSDN480 Series

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

Dimensions: (mm)



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

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

CB cULus FC CE RoHS

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	

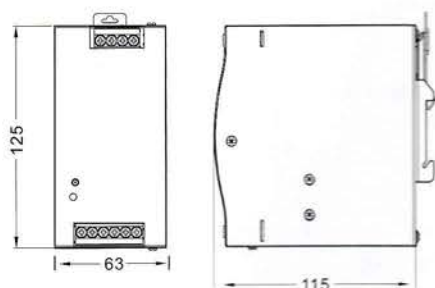
YSDN240 Series

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

Dimensions: (mm)



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

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

CB    RoHS

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℃ to 50℃, Full load, Normal operation.	
Storage Temperature:	-40℃ to 80℃	
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	

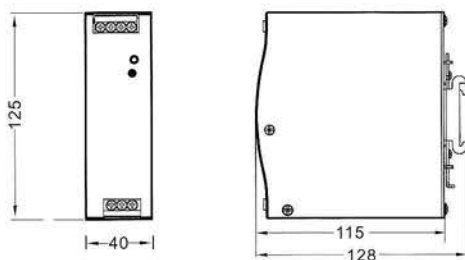
YSDN150 Series

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

Dimensions: (mm)



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

Safety standard:

UL62368-1, UL508	EN 55024: 2010+A1: 2015
IEC / EN6238-1, IEC / EN61558	EN 610000-3-2: 2014
FCC PART15 CLASS B	EN 61000-3-3: 2013
EN 55032: 2015	

CB cULus FC CE RoHS

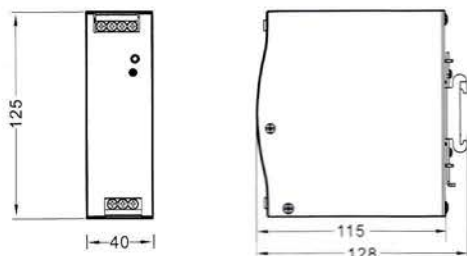
Electrical characteristics

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



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

Dimensions: (mm)



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

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

CB SCHEME    RoHS

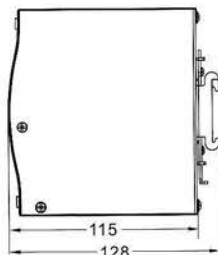
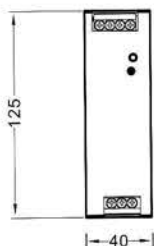
Electrical characteristics

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		



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

Dimensions: (mm)



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

Safety standard:

UL 62368-1, UL 508
 IEC / EN 6238-1, IEC / EN 61558
 FCC PART 15 CLASS B
 EN 55032: 2015

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

CB cULus FCC CE RoHS
SCHEME

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		

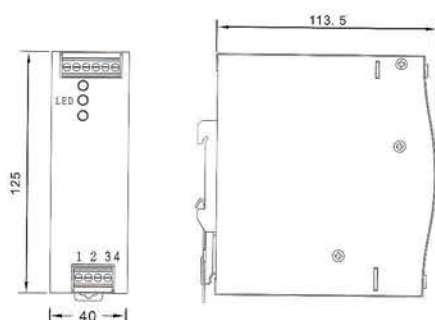
Supplementary Modules





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

Dimensions: (mm)



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

Safety standard:

UL62368-1, UL508	EN 55024: 2010+A1: 2015
IEC / EN6238-1, IEC / EN61558	EN 610000-3-2: 2014
FCC PART15 CLASS B	EN 61000-3-3: 2013
EN 55032: 2015	



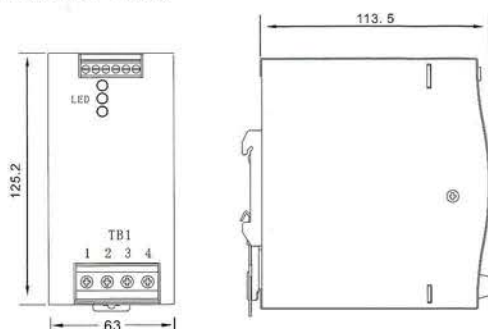
Electrical characteristics

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



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

Dimensions: (mm)



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

Safety standard:

UL62368-1, UL508	EN 55024: 2010+A1: 2015
IEC / EN6238-1, IEC / EN61558	EN 610000-3-2: 2014
FCC PART15 CLASS B	EN 61000-3-3: 2013
EN 55032: 2015	



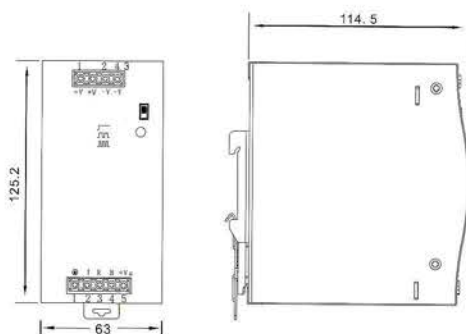
Electrical characteristics

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



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

Dimensions: (mm)



Electrical characteristics

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

Safety standard:

UL62368-1, UL508	EN 55024: 2010+A1: 2015
IEC / EN6238-1, IEC / EN61558	EN 610000-3-2: 2014
FCC PART15 CLASS B	EN 61000-3-3: 2013
EN 55032: 2015	



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			

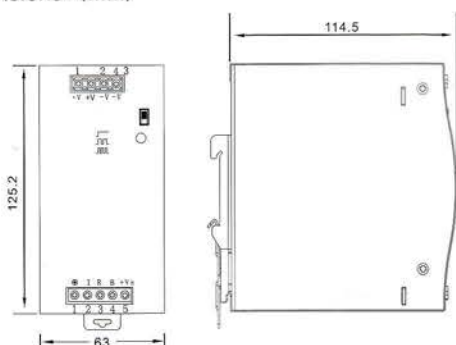
YSDB40-24 Series

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

Dimensions: (mm)



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

Safety standard:

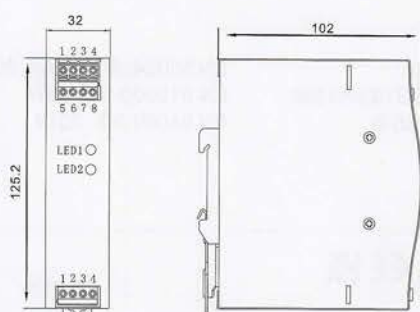
UL62368-1, UL508
 IEC / EN6238-1, IEC / EN61558
 FCC PART15 CLASS B
 EN 55032: 2015

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



Electrical characteristics

ORDER NO.			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 starts if terminal voltage is decreased by > 1Vdc			
	Supply Voltage(+ Vs)	35Vdc /10mA Max.				
ENVIRONMENTAL	WORKING TEMP:		-20°Cto75°C,Refer to Derating Curve			


Dimensions: (mm)

Electrical characteristics
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

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



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		

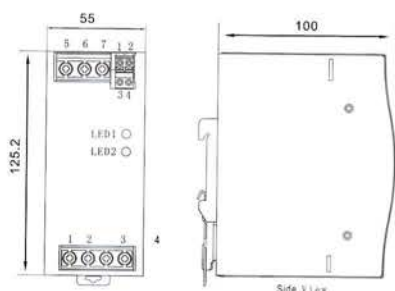


Features

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
	DC VOLTAGE RANGE:	9~14Vdc	19~29Vdc
	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%)
	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	