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ENCAPSULATED POWER SUPPLIES

YSM SERIES AC-DC Type



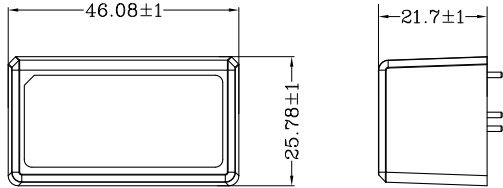
YSM10 5W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM10-0331250	YSM10-0501000	YSM10-1200420	YSM10-1500330	YSM10-2400230
DC Voltage	3.3V	5V	12V	15V	24V
Rated Current	1.25A	1A	0.42A	0.33A	0.23A
Rated Power(Max)	4.125W	5W	5.04W	4.95W	5.52W
Ripple & Noise(Max)	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	20A/115VAC 40A/230VAC				
Efficiency	68%	71%	75%	75%	77%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:3KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

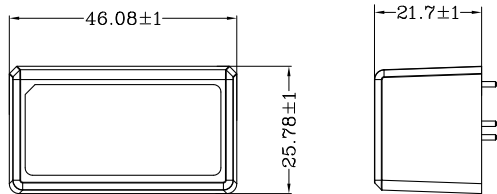
YSM10 10W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM10-0332500	YSM10-0502000	YSM10-1200850	YSM10-1500670	YSM10-2400420
DC Voltage	3.3V	5V	12V	15V	24V
Rated Current	2.5A	2A	0.85A	0.67A	0.42A
Rated Power(Max)	8.25W	10W	10.2W	10.05W	10.08W
Ripple & Noise(Max)	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	20A/115VAC 40A/230VAC				
Efficiency	74%	77%	82%	82%	82%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:3KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

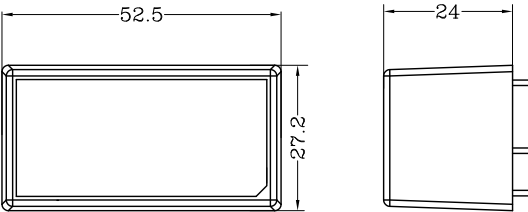
YSM20 15W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM20-0333500	YSM20-0503000	YSM20-1201250	YSM20-1501000	YSM20-2400630
DC Voltage	3.3V	5V	12V	15V	24V
Rated Current	3.5A	3A	1.25A	1A	0.63A
Rated Power(Max)	11.55W	15W	15W	15W	15.12W
Ripple & Noise(Max)	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	20A/115VAC 40A/230VAC				
Efficiency	74%	78%	82%	82%	82%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:3KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

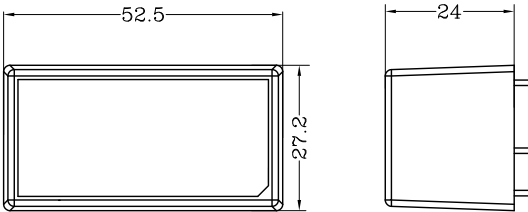
YSM20 20W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM20-0334500	YSM20-0504000	YSM20-1201800	YSM20-1501400	YSM20-2400900
DC Voltage	3.3V	5V	12V	15V	24V
Rated Current	4.5A	4A	1.8A	1.4A	0.9A
Rated Power(Max)	14.85W	20W	21.6W	21W	21.6W
Ripple & Noise(Max)	200mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	20A/115VAC 40A/230VAC				
Efficiency	76%	79%	84%	84%	85%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:3KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

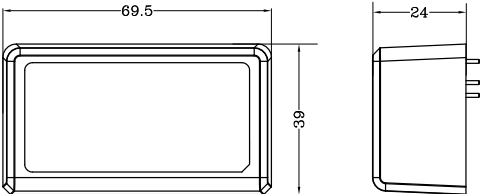
YSM30 Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM30-0506000	YSM30-1202500	YSM30-1502000	YSM30-2401250	YSM30-4800630
DC Voltage	5V	12V	15V	24V	48V
Rated Current	6A	2.5A	2A	1.25A	0.63A
Rated Power(Max)	30W	30W	30W	30W	30W
Ripple & Noise(Max)	120mVp-p	150mVp-p	200mVp-p	240mVp-p	300mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	25A/115VAC 45A/230VAC				
Efficiency	83%	88%	88%	88.5%	90%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:4KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

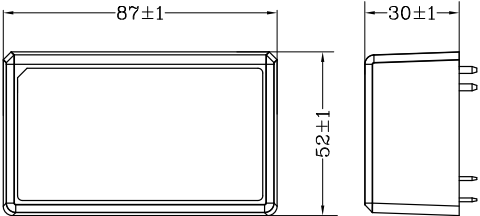
YSM60 45W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM60-05008000	YSM60-12003800	YSM60-15003000	YSM60-24001900	YSM60-48000940
DC Voltage	5V	12V	15V	24V	48V
Rated Current	8A	3.8A	3A	1.9A	0.94A
Rated Power(Max)	40W	45.6W	45W	45.6W	45.12W
Ripple & Noise(Max)	80mVp-p	150mVp-p	180mVp-p	200mVp-p	300mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	30A/115VAC 60A/230VAC				
Efficiency	83.5%	87.5%	88.5%	89.5%	90.5%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:4KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

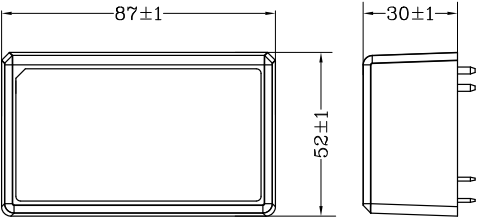
YSM60 60W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM60-05010000	YSM60-12005000	YSM60-15004000	YSM60-24002500	YSM60-48001250
DC Voltage	5V	12V	15V	24V	48V
Rated Current	10A	5A	4A	2.5A	1.25A
Rated Power(Max)	50W	60W	60W	60W	60W
Ripple & Noise(Max)	80mVp-p	120mVp-p	120mVp-p	150mVp-p	240mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	30A/115VAC 60A/230VAC				
Efficiency	84%	87.5%	89%	90%	91%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:4KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

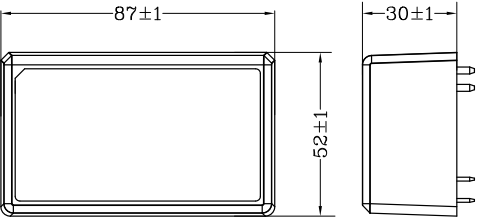
YSM90 90W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1
EN 60335-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM90-1206700	YSM90-1505670	YSM90-2403750	YSM90-4801880
DC Voltage	12V	15V	24V	48V
Rated Current	6.7A	5.67A	3.75A	1.88A
Rated Power(Max)	80.4W	85.05W	90W	90.2W
Ripple & Noise(Max)	120mVp-p	150mVp-p	200mVp-p	240mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC			
Inrush Current	30A / 115VAC 65A / 230VAC			
Efficiency	92%	92.5%	93%	93%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")			
Withstand Voltage	I/P-O/P:4KVAC			
Protection	Short Circuit / Over Load / Over Voltage			
Connection	I/P: 2 Pins, O/P: 2 Pins			

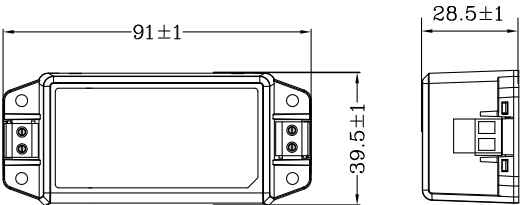
YSM30T Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size, high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM30T-0506000	YSM30T-1202500	YSM30T-1502000	YSM30T-2401250	YSM30T-4800630
DC Voltage	5V	12V	15V	24V	48V
Rated Current	6A	2.5A	2A	1.25A	0.63A
Rated Power(Max)	30W	30W	30W	30W	30W
Ripple & Noise(Max)	120mVp-p	150mVp-p	200mVp-p	240mVp-p	300mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	25A/115VAC 45A/230VAC				
Efficiency	83%	88%	88%	88.5%	90%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:4KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

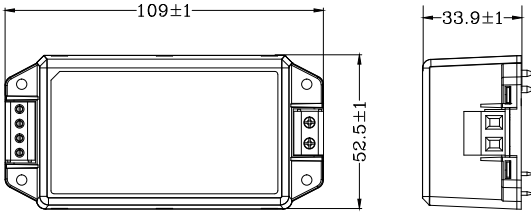
YSM60T 45W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM60T-05008000	YSM60T-12003800	YSM60T-15003000	YSM60T-24001900	YSM60T-48000940
DC Voltage	5V	12V	15V	24V	48V
Rated Current	8A	3.8A	3A	1.9A	0.94A
Rated Power(Max)	40W	45.6W	45W	45.6W	45.12W
Ripple & Noise(Max)	80mVp-p	150mVp-p	180mVp-p	200mVp-p	300mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	30A/115VAC 60A/230VAC				
Efficiency	83.5%	87.5%	88.5%	89.5%	90.5%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:4KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Pins, O/P: 2 Pins				

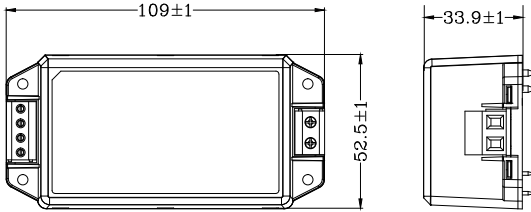
YSM60T 60W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1
EN 60335-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM60T-05010000	YSM60T-12005000	YSM60T-15004000	YSM60T-24002500	YSM60T-48001250
DC Voltage	5V	12V	15V	24V	48V
Rated Current	10A	5A	4A	2.5	1.25A
Rated Power(Max)	50W	60W	60W	60W	60W
Ripple & Noise(Max)	80mVp-p	120mVp-p	120mVp-p	150mVp-p	2400mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC				
Inrush Current	30A / 115VAC 60A / 230VAC				
Efficiency	84%	87.5%	89%	90%	91%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")				
Withstand Voltage	I/P-O/P:4KVAC				
Protection	Short Circuit/Over Load/Over Voltage				
Connection	I/P: 2 Terminal Block, O/P: 2 Terminal Block				

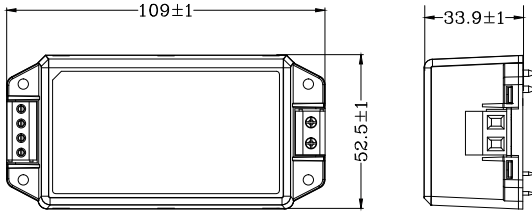
YSM90T 90W Series

ENCAPSULATED POWER SUPPLIES



Universal AC input range
Compact size high power density
Isolation Class II
Wide operating temp.range
3 years warranty

Dimensions:(mm)



Safety Standard:

UL 62368-1
IEC 62368-1
BS EN/EN 62368-1
EN 60335-1

EMC Standard:

EN 55032
EN 61000-3-2,-3
EN 61000-4-2,3,4,5,6,8,11



Electrical Characteristics

Model No.	YSM90T-1206700	YSM90T-1505670	YSM90T-2403750	YSM90T-4801880
DC Voltage	12V	15V	24V	48V
Rated Current	6.7A	5.67A	3.75A	1.88A
Rated Power(Max)	80.4W	85.05W	90W	90.2W
Ripple & Noise(Max)	120mVp-p	150mVp-p	200mVp-p	240mVp-p
Input Voltage	90 ~ 264VAC 127 ~ 370VDC			
Inrush Current	30A / 115VAC 65A / 230VAC			
Efficiency	92%	92.5%	93%	93%
Working Temperature	-30 ~ +70 C (Refer to "Derating Curve")			
Withstand Voltage	I/P-O/P:4KVAC			
Protection	Short Circuit / Over Load / Over Voltage			
Connection	I/P: 2 Pins, O/P: 2 Pins			