

PMMK320E series



3.86"W x 8.03"L x 1.57"H

- 320 Watts Output Power
- Single Output
- Universal 90-264VAC Input
- 5VDC to 48VDC Outputs
- 5656VDC Input to Output Isolation
- Active Power Factor Correction







Model Number	Output Voltage	Output Amps (max)	Ripple & Noise max.	Efficiency
SINGLE OUTPUT				
PMMK320S-5E	5 VDC	60	100mV pk-pk	71%
PMMK320S-12E	12 VDC	26.7	120mV pk-pk	77%
PMMK320S-15E	15 VDC	21.4	150mV pk-pk	79%
PMMK320S-24E	24 VDC	13.4	150mV pk-pk	79%
PMMK320S-36E	36 VDC	8.9	150mV pk-pk	81%
PMMK320S-48E	48 VDC	6.7	150mV pk-pk	81%

All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

> **ASTRODYNE USA: 1-800-823-8082 ASTRODYNE PACIFIC: 886-2-26983458**



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INPUT SPECIFICATIONS				
Input Voltage Range	90-264 VAC; Nom: 100-240VAC			
Frequency Range	47-63 Hz			
Power Factor Correction	0.95, min. Nom I/P, FL			
Inrush Current, typ:	30A @ 115VAC Cold Start, FL*			
	60A @ 230VAC Cold Start, FL*			
Input Current	5.4 Amps max., 90V I/P			
	1.8 Amps max., 264V I/P			
Leakage Current	<0.3mA 240Vin 50Hz			

OUTPUT SPECIFICATIONS

See Selection Chart
±1%, max. (±1.5% 5 Vout)
±1~1.5%, max.
±1%, typ (±2% 5 Vout)
See Selection Chart
130% max. Auto Recovery *
160% max. Auto Recovery *
Auto Recover after fault
condition is removed *
<4S
<25mS, typ (Nom I/P, FL)
20mS, typ (Nom I/P, FL)
<10% of Nominal Output
Compensates for up to 0.5V drop
Open Collector, Logic "1" = ON
"0" = Off. No Termination necessary
to maintain constant "On" operation

PHYSICAL SPECIFICATIONS

Size	8.03"(L) x 3.86"(W) x 1.57"(H)
Construction	Enclosed
Weight	1.75 lb, (794g)

Isolation (Note 2)	I/P-O/P: 5656VDC
	I/P-Ground: 2121VDC
	O/P-Ground: 707VDC
Insulation Desistance	>20110

Insulation Resistance		≥20MΩ
Efficiency (FL. Nom I/P)		See Selection Chart
Safety UL	/cUL:	ANSI/AAMI ES60601-1 3rd ed.
		CSA C22.2 No. 60601-1 3rd ed.
UL	-EU:	EN60601-1 3rd ed.
СВ	b:	IEC60601-1 3rd ed.
CE:		EN60601-1-2

ENVIRONMENTAL SPECIFICATIONS

GENERAL SPECIFICATIONS

-20 to +70°C (See Derate Curve)
-25 to +85°C *
10% to +90%, *
Storage: 5-95%
Class D, 61000-3-2
61000-3-3
61000-4-2
61000-4-3
61000-4-4
61000-4-5
61000-4-6
61000-4-8
61000-4-11
EN55022 Class B
65,000 Hrs, min.
4G Peak, 50-500Hz, 3 Axes
70 CM

NOTES

- All measurements should be made directly at the terminals of the power supply
- 2. Isolation for up to 1 minute duration.
- 3. Preset Accuracy measured at nominal load, 120VAC input.
- O/P Noise measured directly at the pins/terminals at nominal load, 0.1uF ceramic bypass and 47uF electrolytic, pk-pk @ 20MHz bandwidth.

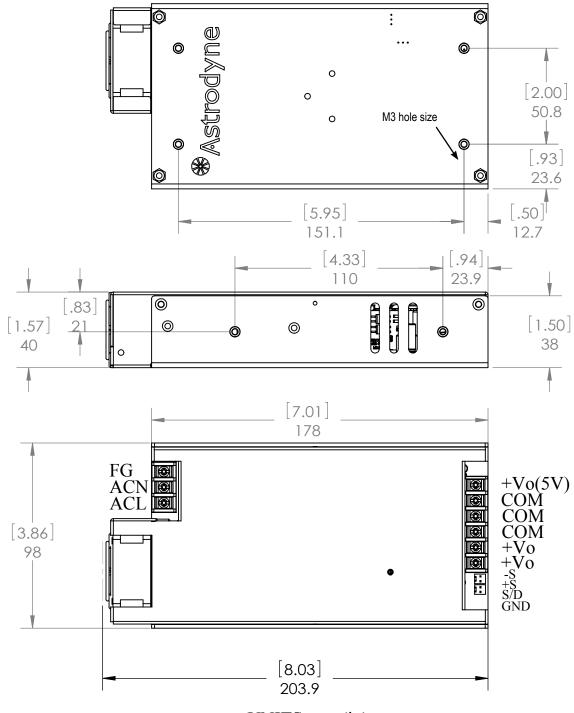
ASTRODYNE USA: 1-800-823-8082 ASTRODYNE PACIFIC: 886-2-26983458

^{*} These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranteed nor implied.



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MECHANICAL DIMENSIONS



UNITS:mm (in)

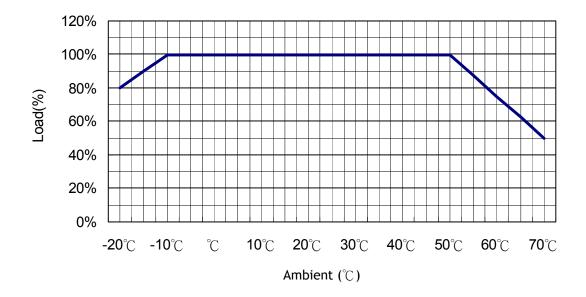
Input connector: 3P/ 8.25mm pitch terminal block Output connector: 6P/ 8.25mm pitch terminal block

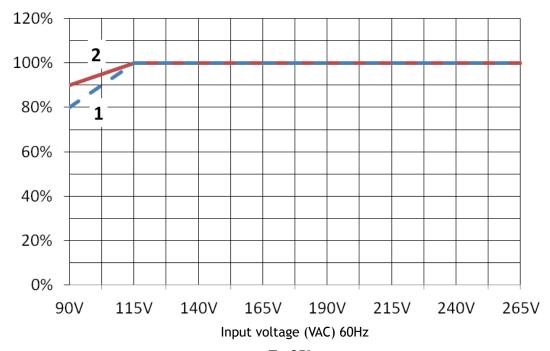
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OUTPUT DERATING CURVE





Ta=25°C

1. 5V

2. 12 \ 15 \ 24 \ 36 \ 48V