



6.6" x 3.0" x 1.75"

- Universal 85-265VAC Input
- IEC-320-C14 Input Receptacle
- Single, Dual and Triple Outputs from 3.3 to 48VDC
- 3000V Isolation
- Splash Proof Case



Model Number	Output VDC	Output Amps	Min. Load	Regulation	Output Power Max.	Output Connector
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SINGLE OUTPUT

SPU65-101(S)	3.3	15.1	0A	7%	50W	8 Pin DIN
SPU65-102(S)	5	13	0A	7%	65W	8 Pin DIN
SPU65-103(S)	6	11.6	0A	5%	69.6W	5 Pin DIN
SPU65-104(S)	10	7.5	0A	5%	75W	5 Pin DIN
SPU65-105(S)	12	6.66	0A	5%	80W	5 Pin DIN
SPU65-106(S)	15	5.33	0A	5%	80W	5 Pin DIN
SPU65-107(S)	18	4.44	0A	5%	80W	2.1mm Coax
SPU65-108(S)	24	3.33	0A	5%	80W	2.1mm Coax
SPU65-109(S)	30	2.66	0A	3%	80W	2.1mm Coax
SPU65-110(S)	36	2.22	0A	5%	80W	2.1mm Coax
SPU65-111(S)	48	1.66	0A	5%	80W	2.1mm Coax

Note: "(S)" Denotes that there is an ON/OFF Switch option available for the SPU65 family of products. To order an SPU65 product with the optional ON/OFF Switch, simply add an "S" to the end of the standard Part Number. For example SPU65-101S.



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DUAL OUTPUT

SPU65-200(S)	3.3/12	7/2.75	0.7/0.55A	7/5%	56.1W	8 Pin DIN
SPU65-201(S)	5/12	7/3	0.7/0.4A	5/5%	65W	5 Pin DIN
SPU65-202(S)	5/15	7/3	1.4/0.6A	5/7%	65W	5 Pin DIN
SPU65-203(S)	5/24	7/2	1.4/0.3A	5/5%	65W	5 Pin DIN
SPU65-204(S)	3.3/5	7/3	1.4/0.6A	7/5%	38.1W	5 Pin DIN
SPU65-215(S)	5/-24	7/2	1.4/0.4A	5/5%	65W	5 Pin DIN

TRIPLE OUTPUT

SPU65-300(S)	3.3/12/-12	7/3/0.8	1.4/0.6/0.8A	7/5/5%	65W	8 Pin DIN
SPU65-301(S)	5/12/-5	6/3/0.8	0.6/0.3/0.8A	5/5/5%	65W	5 Pin DIN
SPU65-302(S)	5/12/-12	6/3/0.8	0.6/0.3/0.8A	5/5/5%	65W	5 Pin DIN
SPU65-303(S)	5/15/-15	6/3/0.8	0.6/0.3/0.8A	5/5/5%	65W	5 Pin DIN
SPU65-304(S)	5/24/-24	7/2/0.8	0.7/0.2/0.8	5/5/5%	65W	5 Pin DIN
SPU65-305(S)	5/24/-12	6/2/0.8	0.6/0.2/0.8	5/5/5%	65W	5 Pin DIN
SPU65-306(S)	3.3/12/-5	7/3/0.8	0.7/0.6/0.8A	7/5/5%	63.1W	5 Pin DIN

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INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC (Universal)	
Frequency Range	47-63 Hz	
Input Current	Low Line (115VAC)	1.9A
	High Line (230VAC)	1.5A
Inrush Current, typ (Cold Start)	Low Line (115VAC)	15A max.
	High Line (230VAC)	30A max.
Leakage Current	0.75mA MAX. @ 240 VAC, FL	

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Charts	
Output Power Range	0 to FL Rating	
Load Regulation (230Vin)	+/- 7%, max.	
Line Regulation	+/- 1%, max.	
Transient Response	100Vin, FL to 1/2L	4mS
Temperature Coefficient	+/-0.04%/°C, typ	
Ripple/Noise	FL, 90Vin	2% Pk-Pk, max.
Over Voltage Protection	112-132% *	
Over Current Protection	110-150% *	
Start Up / Hold Up Time	100Vin, FL	2S max. / 16mS min.

GENERAL SPECIFICATIONS

Input-Out Isolation	3000 VAC
Input-Ground Isolation	1500VAC
Isolation Resistance	50 Mohm min.
Efficiency (FL, 230Vin)	83%, typ
Switching Frequency	58 KHz
Safety	(c)UL1950, TUV, CB

NOTE: Low cost 3 Wire IEC320/C13 (Part Number ACCRD-C13) Input Power Cords are available for these products. Inquire to the Astrodyne Sales Depart.

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

* 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 warranted nor implied.

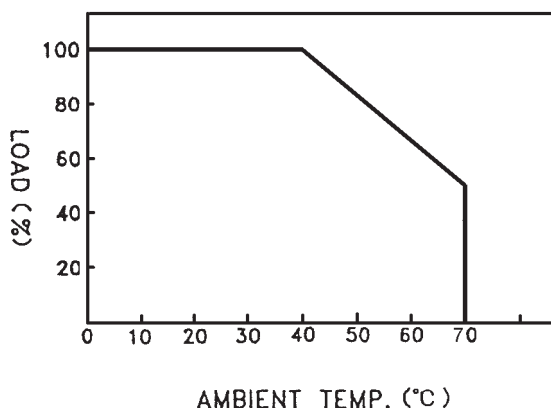
PHYSICAL SPECIFICATIONS

Size	6.6" x 3.0" x 1.75"
Construction	Desktop Style
Weight	26.4oz (750g)

ENVIRONMENTAL SPECIFICATIONS

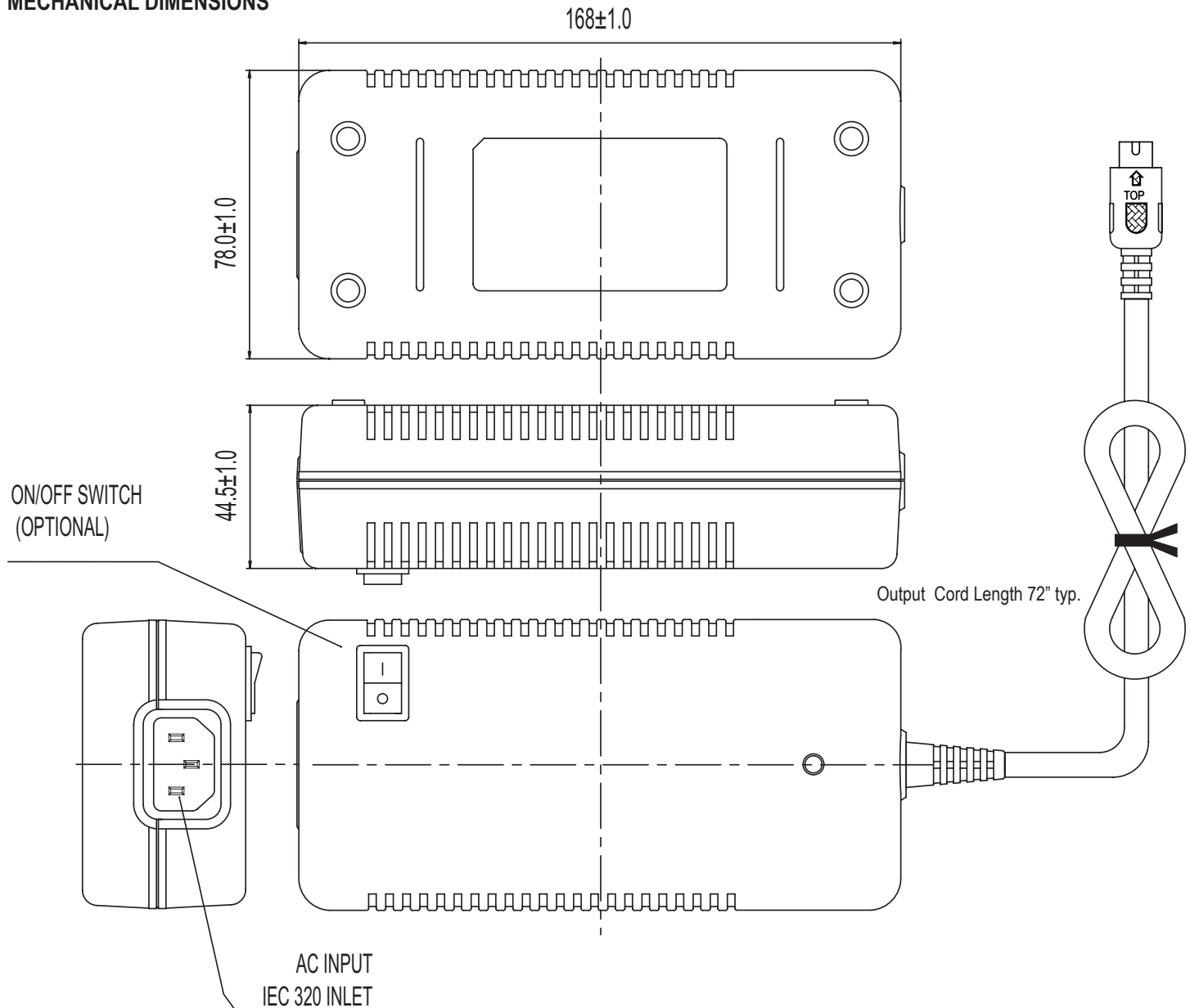
Oper. Temperature	0 to +40°C (FL) *	
	50% Load @ 70°C (See Derate Curve)	
Storage Temperature	-40 to +85°C *	
Relative Humidity	5% to 95%, non-cond *	
EMC	110Vin:	FCC Part 15 Class B
	220Vin:	CISPR-22 Class B
MTBF	100,000 Hrs	

DERATE CURVE



Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.

MECHANICAL DIMENSIONS



Coaxial Plug:

5.5mm outer diameter
2.1mm inner diameter, female
11mm length, center "+"

-Vout —  +Vout

DIN Connector

8 Pin DIN



5 Pin DIN



Single Output

- | | |
|---------|-------------|
| 1. COM | 6. COM |
| 2. COM | 7. Vout |
| 3. Vout | 8. Vout |
| 4. COM | Shell = GND |
| 5. Vout | |

- | |
|-------------|
| 1. COM |
| 2. COM |
| 3. Vout |
| 4. COM |
| 5. Vout |
| Shell = GND |

Dual Output

- | | |
|----------|-------------|
| 1. COM | 6. COM |
| 2. Vout2 | 7. Vout1 |
| 3. Vout1 | 8. COM |
| 4. Vout2 | Shell = GND |
| 5. Vout1 | |

- | |
|------------------|
| 1. COM |
| 2. COM |
| 3. Output #1 |
| 4. No Connection |
| 5. Output #2 |
| Shell = GND |

Triple Output

- | | |
|----------|-------------|
| 1. Vout1 | 6. Vout1 |
| 2. COM | 7. COM |
| 3. Vout3 | 8. COM |
| 4. Vout1 | Shell = GND |
| 5. Vout2 | |

- | |
|--------------|
| 1. COM |
| 2. COM |
| 3. Output #1 |
| 4. Output #3 |
| 5. Output #2 |
| Shell = GND |