

# Open Frame 3x5

# Product Specifications

ANZ#: Z050C, March 25, 2002

UPE65-XXz, JDM65-XXz Series Low Profile	
Total Power	65Watts
Input Voltages	90-264 VAC
Number of Outputs	One, Two and Three

## SPECIAL FEATURES

- Low profile with **28 mm** max. height
- Universal AC input
- Regulated output
- EMI filter built in
- Overload and short circuit protection

## ELECTRICAL SPECIFICATIONS

Input range	90 to 264 VAC, Full range
Frequency	47 to 63 Hz
Inrush current	50.0 Amps maximum at any input range
Input current	1.8Amps maximum at 115/230 input range
Efficiency	70% typical at 120VAC and maximum load
EMI filtering	FCC part 15J class B, CISPR 22 class B
Maximum power	65W
Voltage regulation	±3% @constant voltage mode
Hold up time	Half cycle minimum at 120 VAC and 80% of rated load
Protection	Overload protection Short circuit and overload protection: output short circuit, auto recovery

## ENVIRONMENTAL

Operating temperature:	0 to 50 ° C
Storage temperature:	-20 to 85 ° C
Humidity (Non-Condensing):	5% to 95%
Cooling:	10CFM forced air
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions

## SAFETY

UL/cUL	UL1950
CSA	CSA
TUV	TUV EN60 950
CE	



## ORDERING INFORMATION

Model #	+3.3V	+5.0V	+12.0V	-12.0V	Remarks
UPE65-31	10.0A	10.0A	1.0A		
UPE65-32		10.0A	5.0A	1.0A	
UPE65-31-U	10.0	10.0A	1.0A		
UPE65-32-U		10.0A	5.0A	1.0A	
UPE65-33-U	12.0A	12.0A	1.0A		75W Max.
UPE65-31-C	10.0A	10.0A	1.0A		
UPE65-32-C		10.0A	5.0A	1.0A	
JDM65-3.3V	15.0A				50W Max.
JDM65-3.3V-C	15.0A				
JDM65-21	15.0A	2.0A <sup>4</sup>			
JDM65-21-C	15.0A	2.0A <sup>4</sup>			
JDM65-22	15.0A		1.0A <sup>4</sup>		
JDM65-22-C	15.0A		1.0A <sup>4</sup>		
JDM65-23		13.0A	1.0A <sup>4</sup>		
JDM65-23-C		13.0A	1.0A <sup>4</sup>		
JDM65-24	2.0A <sup>4</sup>	13.0A			
JDM65-24C	2.0A <sup>4</sup>	13.0A			
JDM65-25		2.0A <sup>4</sup>	5.0A		
JDM65-25C		2.0A <sup>4</sup>	5.0A		
JDM65-26	2.0A <sup>4</sup>		5.0A		
JDM65-26-C	2.0A <sup>4</sup>		5.0A		
Regulation	±3%	±3%	±3%	±3%	
Ripple Noise	50mV	50mV	120mV	120mV	

1. Unit can run at ambient temp. of 65 ° C with 10CFM of air flow.
2. For UPN65—33-U, the maximum output power can not exceed 75W.
3. Ripple peak-to-peak with 20MHz bandwidth and a capacitor, 47uF/50V, cross-connected at testing point.
4. The regulation shall be rated at ± 10% respectively.



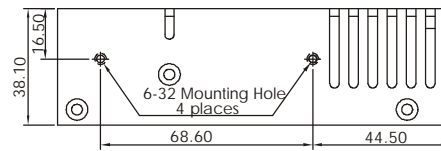
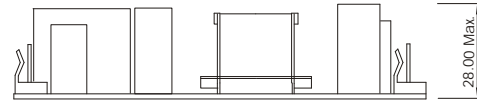
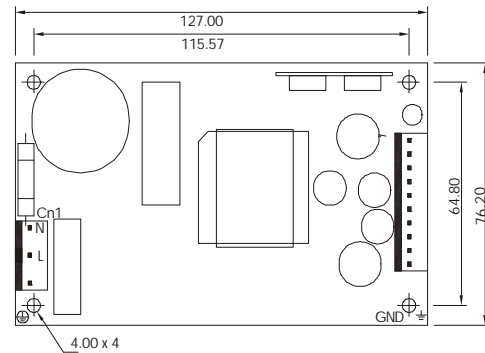
## MECHANICAL DRAWINGS

**AC Input:**  
Molex p/n. 09-65-2038 or equivalent

**UPE65-xx**

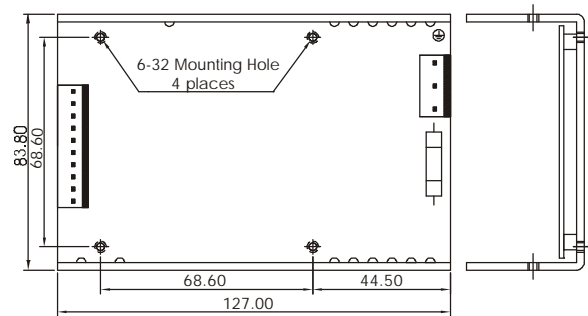
**DC Outputs:**  
Molex p/n. 09-65-2168 or equivalent

**JDM65-xx**



**UPE65-xx-U**

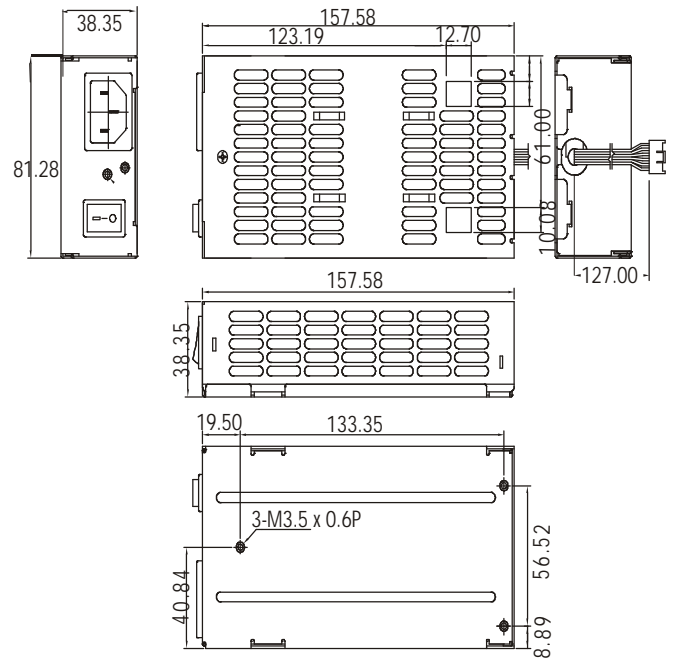
**AC Input:**  
Molex p/n. 09-65-2038 or equivalent  
**DC Outputs:**  
Molex p/n. 09-65-2168 or equivalent



**AC Input:**  
CEE type power receptacle  
**DC Outputs:**  
Molex 90331 or equivalent, 6-pin

**UPE65-xx-C**

**JDM65-xx-C**



1. Specification subject to change without notice.
2. All dimensions are in mm.
3. Weight: 0.378 lb/ 0.172 kg