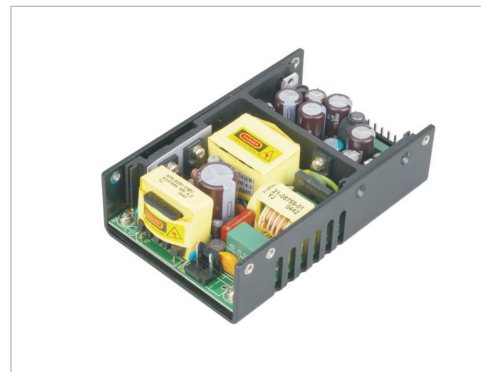


TPSUU81 SERIES

80W U Bracket Type
I.T.E. Power Supplies

Features:

- Wide Operating Voltage 90 to 260 VAC, 47 to 63 Hz
- Internal EMI filter
- Dual and Triple Output
- Active Power Factor Correction
- Over Voltage Protection (Crowbar Design)
- Class I
- 2 year warranty



Electrical Characteristics:

Vin	Safety Approvals Input Voltage Range	100~240VAC
	Operate Voltage Range	90~260VAC
fin	Input Frequency	47~63Hz
PF	Power Factor Correction	Io=Full load, Vin=240VAC
Po	Output Power Range	See rating chart
Vo	Output Voltage Range	See rating chart
Io	Output Current Range	See rating chart
Iil	Input Current (Low Line)	Io=Full load, Vin=100VAC
Iih	Input Current (High Line)	Io=Full load, Vin=240VAC
Ir	Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC
	High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC
Eff	Efficiency	Io=Full Load, Vin=230VAC
REG-i	Line Regulation	Io=Full Load
REG-o	Load Regulation	Vin=230VAC
OVP	Over Voltage Protection	Over Voltage Protection
OCP	Over Current Protection	Over Current Protection
Ttr	Time of Transient Response	Io=Full Load to Half Load, Vin=100VAC
Th	Hold-Up Time	Io=Full Load, Vin=110VAC
Ts	Start Up Time	Io=Full Load, Vin=100VAC
Vp-p	Ripple & Noise(Peak to Peak)	Full Load, Vin=90VAC
Ilk	Safety Ground Leakage Current	Vin=240VAC/60Hz
TC	Temperature Coefficient	All output
Pno	No-Load Power Consumption	No load, Vin=230VAC
Vps	Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary
Vpg	Dielectric Withstanding Voltage for Primary to PE	Primary to PE
Ris	Isolation Resistance	Test Voltage=500VDC

Note: The Ripple & Noise which is under 3.3VDC at 2% max

Environmental

To	Operating Temperature	See derating curve
Ts	Storage Temperature	-40~85°C
Ho	Operating Humidity	0~95%
Hr	Storage Humidity	0~95%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F	0.1M Hrs (min.)
Pd	Derate linearly from 100% load at 50°C to 50% load at 70°C	

Application:

- Industrial PC
- Electrical Test & Measurement Instruments
- Communication equipment
- AV equipment

Safety Approvals:

UL US CE CB



UL/c-UL(UL 60950-1:2nd Edition)
TUV/GS(EN 60950-1:2nd Edition)



TPSUU81 SERIES

80W U Bracket Type
I.T.E. Power Supplies

Output Voltage And Current Rating Chart (Multi Output) :

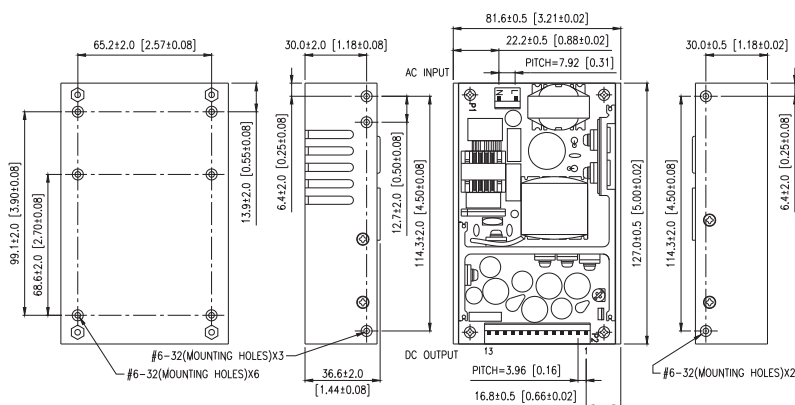
Model Number	Output #1				Output #2				Output #3				Max. Output Power	Pno(max.)
	Vonom	Iomin	Iomax	Regmax	Vonom	Iomin	Iomax	Regmax	Vonom	Iomin	Iomax	Regmax		
TPSUU81-200	+3.3V	1.2A	12A	7%	+12V	0.5A	5A	5%					80W	6W
TPSUU81-201	+5V	1.2A	12A	5%	+12V	0.5A	5A	5%					80W	6W
TPSUU81-202	+5V	1.2A	12A	5%	+15V	0.5A	5A	5%					80W	6W
TPSUU81-203	+5V	1.2A	12A	5%	+24V	0.3A	3A	5%					80W	6W
TPSUU81-204	+3.3V	1.2A	12A	7%	+5V	0.5A	5A	5%					64.6W	6W
TPSUU81-215	+5V	1.2A	12A	5%					-24V	0A	2A	5%	80W	6W
TPSUU81-300	+3.3V	1.2A	12A	7%	+12V	0.5A	5A	5%	-12V	0A	0.8A	5%	80W	6W
TPSUU81-300-1	+3.3V	1.2A	12A	7%	+12V	0.5A	5A	5%	+12V	0A	0.8A	5%	80W	6W
TPSUU81-301	+5V	1.2A	12A	5%	+12V	0.5A	5A	5%	-5V	0A	0.8A	5%	80W	6W
TPSUU81-301-1	+5V	1.2A	12A	5%	+12V	0.5A	5A	5%	+5V	0A	0.8A	5%	80W	6W
TPSUU81-302	+5V	1.2A	12A	5%	+12V	0.5A	5A	5%	-12V	0A	0.8A	5%	80W	6W
TPSUU81-302-1	+5V	1.2A	12A	5%	+12V	0.5A	5A	5%	+12V	0A	0.8A	5%	80W	6W
TPSUU81-303	+5V	1.2A	12A	5%	+15V	0.5A	5A	5%	-15V	0A	0.8A	5%	80W	6W
TPSUU81-303-1	+5V	1.2A	12A	5%	+15V	0.5A	5A	5%	+15V	0A	0.8A	5%	80W	6W
TPSUU81-304	+5V	1.2A	12A	5%	+24V	0.3A	3A	5%	-24V	0A	0.8A	5%	80W	6W
TPSUU81-304-1	+5V	1.2A	12A	5%	+24V	0.3A	3A	5%	+24V	0A	0.8A	5%	80W	6W
TPSUU81-305	+5V	1.2A	12A	5%	+24V	0.3A	3A	5%	-12V	0A	0.8A	5%	80W	6W
TPSUU81-305-1	+5V	1.2A	12A	5%	+24V	0.3A	3A	5%	+12V	0A	0.8A	5%	80W	6W
TPSUU81-306	+3.3V	1.2A	12A	7%	+12V	0.5A	5A	5%	-5V	0A	0.8A	5%	80W	6W
TPSUU81-306-1	+3.3V	1.2A	12A	7%	+12V	0.5A	5A	5%	+5V	0A	0.8A	5%	80W	6W
TPSUU81-307	+5V	1.2A	12A	5%	+10V	0.5A	5A	5%	-10V	0A	1.0A	5%	80W	6W
TPSUU81-307-1	+5V	1.2A	12A	5%	+10V	0.5A	5A	5%	+10V	0A	1.0A	5%	80W	6W
TPSUU81-308	+3.3V	1.2A	12A	7%	+5V	0.5A	5A	5%	-12V	0A	1.0A	5%	76.6W	6W
TPSUU81-308-1	+3.3V	1.2A	12A	7%	+5V	0.5A	5A	5%	+12V	0A	1.0A	5%	76.6W	6W

PIN CHART

PIN MODEL	1	2	3	4	5	6	7	8	9	10	11	12	13
TPSUU81-215	N/C	N/C	Vo1	Vo1	Vo1	Vo1	COM	COM	COM	Vo3	COM	COM	N/C
TPSUU81-2XX	Vo2	Vo2	Vo1	Vo1	Vo1	Vo1	COM	COM	COM	N/C	COM	COM	N/C
TPSUU81-3XX	Vo2	Vo2	Vo1	Vo1	Vo1	Vo1	COM	COM	COM	Vo3	COM	COM	N/C

Note: Vo1:Output#1 Vo2:Output#2 Vo3:Output#3

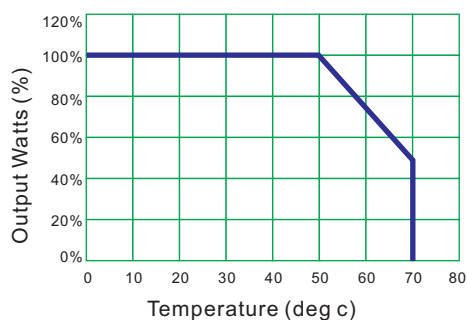
Mechanical Specifications:



Note:

1. Dimensions are shown in inches or mm .
2. Weight: 480gs approx.
3. Input connector mates with Molex housing 09-52-4034 and Molex 2478 series crimp terminal.
4. Output connector mates with Molex housing 09-52-4134 and Molex 2478 series crimp terminal.

Derating Curve :



1. Operating Temperature: 0 to 70°C
2. Derate linearly from 100% load at 50°C to 50% load at 70°C

