

ACE-832A/832AP ACE-828M/925M

300W ATX Power Supply

Medical Power Supply



ACE-832A



ACE-828M



ACE-925M



ACE-832AP-S



SPECIFICATIONS

- ◆ Input : 90V~264V AC (ACE-832AP)
95V~132V AC, 180~264V AC auto-range (ACE-832A)
- ◆ ACE-832A/832AP Output Rating

Output	Nominal	Regulation	Ripple/Noise	Min.	Max.
1	+3.3V	±5%	50mV	0.3A	28A
2	+5V	±5%	50mV	0.1A	30A
3	+12V	±5%	120mV	0.1A	15A
4	-5V	±5%	100mV	0.0A	0.3A
5	-12V	±5%	120mV	0.0A	0.8A
6	+5Vsb	±5%	100mV	0.0A	2.0A

Total Output of +3.3V and +5V shall not exceed 150W.
+3.3V, +5V, and +12V total output power max. is 280W.

- ◆ Hold-up time : 17ms min.
- ◆ Efficiency : 65% typ.
- ◆ Protection : Over Voltage/Load Protection and Short Circuit Protection
- ◆ TTL signal compatible power good signal
- ◆ Vibration : 10-55Hz at 2G 3min. period, 30 min. along X, Y and Z axis.
- ◆ Shock : 10G for 11ms once on each X, Y and Z axis.
- ◆ Built-in cooling fan
- ◆ MTBF : min. 10,000hrs at 25°C
- ◆ Safety : UL 1950, CSA 22.2 Level 3, TUV, CCC(ACE-832AP/AP-S) meets CE(ACE-832AP/AP-S).
- ◆ EMI : Meets FCC class "B", EN55022 class "B"
Meets Harmonic EN61000-3-2 (ACE-832AP)
- ◆ EMS Standard : meet
IEC 801-2 8KV(Air Discharge)
IEC 801-3 3V/M criteria A
IEC 801-4, 2KV criteria B
IEC 801-5, 2KV criteria B
- ◆ Operating temperature: 0~50°C

ORDERING INFORMATION

- ◆ **ACE-832A** 300W ATX Power Supply
- ◆ **ACE-832AP** 300W ATX Power Supply with PFC function
- ◆ **ACE-832AP-S** 300W ATX Power Supply with PFC function & on/off switch

SPECIFICATIONS



- ◆ Input Voltage :
ACE-828M: 90~130VAC or 180~260VAC(Auto Switch)
ACE-925M: 90~264VAC (Full-Range)
- ◆ Output Table : (at 40°C)

Model	Rated Load						Max Output					
	+5V	+12V	-12V	-5V	+3.3V	+5Vsb	+5V	+12V	-12V	-5V	+3.3V	+5Vsb
ACE-828M	25A	10A	0.5A	0.5A	8A	0.72A	30A	15A	1A	1A	15A	1.2A
ACE-925M	25A	7A	0.5A	0.5A			28A	10A	1A	1A		

- ◆ Leakage Current : Primary to safety ground less 500uA at 253V AC input, secondary ground to safety ground less than 100uA at 235V AC input
- ◆ Ripple and Noise :
ACE-828M : Less than 50mV@+5V and +3.3V; 100mV@Others
ACE-925M : The line regulation for each outputs are less than 1%
- ◆ Line Regulation :
ACE-925M : Less than 1% for each output
ACE-828M : Less than 2%@+12V, 1%@Others
- ◆ Load Regulation :

model	+5V	+12V	-12V	-5V	+3.3V	+5Vsb
ACE-828M	<±3%	<±5%	<±2%	<±2%	<±2%	<±3%
ACE-925M	<±3%	<±5%	<±5%	<±5%		

- ◆ Total combined output power on the +3.3V and +5V rails is 150W for ACE-828M
- ◆ Efficiency : Higher than 65%
- ◆ Altitude : 0 ~ 10,000ft
- ◆ Over voltage protection
- ◆ Vibration :
10~55Hz at 2G 3min. period, 30 min. along X, Y and Z axis
- ◆ Impact : 10G for 20ms once on each X, Y and Z axis
- ◆ Built-in cooling fan
- ◆ MTBF : ACE-828M : 177,287 hours
ACE-925M : 132,648 hours
- ◆ Safety : UL 2601, (DIN. VDE 075T.1/12.91/EN 60601-1:1990)
- ◆ EMI : Meets EN55011 class "B"
- ◆ EMS Standard (Designed to meet the following limits) :
IEC 801-2 4KV contact, 8KV Air Discharge
IEC 801-3, 3V/M, 26MHz to 1GHz
IEC 801-4, 2KV power mains
IEC 801-5, 2KV criteria B
- ◆ Operating temperature :
ACE-828M : -20° ~ 70°C(Derating curve will occur 40° ~ 70°C)
ACE-925M 0° ~ 70°C(Derating curve will occur 40° ~ 70°C)
- ◆ Storage temperature : -40° ~ 75°C

ORDERING INFORMATION

- ◆ **ACE-828M** Medical ATX 280W power supply
- ◆ **ACE-925M** Medical PS/2 type 250W power supply