

ACE-932T/925T/925P/925C/916V

DC Input Industrial PS/2 Type Power Supply



Feature

- Built-in ball bearing cooling fan
- Extra P10 (+5V) connector for most high-power requirement (ACE-932T)

Specifications

Input Table :

Model	Input Range	Input Current
ACE-932T	-40 ~ -70V DC	9A@-48V DC
ACE-925P	+88 ~ +132V DC	3.5A@+110V DC
ACE-925T	-40 ~ -65V DC	8A@-48V DC
ACE-925C	+19 ~ +30V DC	16A@+24V DC
ACE-916V	+8.5 ~ +16V DC	25A@+12V

Output Table : (at 50°C)

Model	Rated Load				Peak Output	
	+5V	+12V	-12V	-5V	+5V	+12V
ACE-932T	33A	8A	3A	0.5A	40A	12A
ACE-925P	25A	10A	1A	1A	30A	12A
ACE-925T	25A	8A	2A	1A	30A	12A
ACE-925C	25A	6A	2A	1A	-	12A
ACE-916V	20A	4A	0.5A	0.5A	-	7A

Inrush Current

ACE-932T : Less than 5A@-48V DC
 ACE-925T : Less than 5A@-48V DC
 ACE-925C : Less than 5A@+24V DC
 ACE-916V : Less than 10A@+12V DC

Ripple and Noise : Less than 1% of each output at rated load

Line Regulation : The line regulation for each outputs are less than 1%

Load Regulation :

Model	+5V	+12V	-12V	-5V
ACE-932T	<+/-3%	<+/-5%	<+/-1%	<+/-1%
ACE-925P	<+/-3%	<+/-5%	<+/-3%	<+/-3%
ACE-925T	<+/-4%	<+/-5%	<+/-1%	<+/-1%
ACE-925C	<+/-4%	<+/-5%	<+/-3%	<+/-3%
ACE-916V	<+/-3%	<+/-5%	<+/-1%	<+/-1%

Efficiency : Higher than 65% (ACE-925C/916V), 70%(ACE-932T/925P/925T)

Altitude : 0 ~ 15,000ft

Protection :

- Over voltage protection. The trip point is around 5.7V ~ 7.0V output
- Short circuit and overload
- Thermal Protection : Built-in 110±5°C thermal switch in HS1

Vibration : 10 ~ 55Hz at 2G 3min. period, 30 min. along X, Y and Z axis

Shock : 10G for 20ms once on each X, Y and Z axis

MTBF :

ACE-932T : 141,033 Hours
 ACE-925T : 192,010 Hours
 ACE-925C : 204,997 Hours
 ACE-916V : 127,918 Hours
 ACE-925P : 173,656 Hours

Safety : UL 1950; TÜV EN 60950, CSA 22.2 No. 234,(ACE-932T) meets CE.

EMI : Meets FCC docket 20780 curve "B", EN55022 class "B"

Built-in cooling fan

Operating temperature : -20° ~ 70°C (ACE-932T), 0° ~ 50°C (ACE-925P/925T/925C/916V)

(Derating curve will occur 50° ~ 70°C)

Storage temperature : -40° ~ 75°C

Ordering Information

- **ACE-932T**
300W -48V DC input PS/2 type power supply
- **ACE-925P**
250W 110V DC input PS/2 type power supply
- **ACE-925T**
250W 48V DC input PS/2 type power supply
- **ACE-925C**
250W 24V DC input PS/2 type power supply
- **ACE-916V**
160W 12V DC input PS/2 type power supply

Single Board Computer

LCD Product Series

Chassis

Power supply

PS/2 type

Other Type

Medical

Redundant

Peripheral