

ANDYSON International Co., Ltd.

Specification

Model name:

AD-5320N2-08

300W

Table of Contents

1. General

Scope

This specification defines the performance characteristics of a single phase peak **350** watts, **6** output power supply. This specification also defines world wide safety and electromagnetic compatibility requirements for the power supply which is intended for use in computer products.

2. Input Characteristics

2.1 AC input requirements

The input voltage, current, and frequency requirements for continuous operation are stated below.

Table 1 AC Input Line Requirements

Parameter	Min.	Nom.	Max.	Unit
Vin	100	110	120	VACrms
Vin	200	220	240	VACrms

The power supply is designed to operate in two specified voltage range depending upon outside manual input voltage switch selected.

2.2 Input Frequency

Nominal Frequency

Frequency Variation Range

50/60 Hz

47 Hz to 63 Hz

The power supply must operate at above frequency with both 100-120/200-240Vrms input voltage range.

2.3 Max. Input AC Current

Max. Input Current

Measuring Range

6A

100-120Vrms

4A

200-240Vrms

2.4 Inrush Current

Less than the ratings of its critical components (Including bulk rectifiers, fuses and surge limiting device).

2.5 Efficiency

300W provides an efficiency of 72% minimum when measured at full load under 220V-50Hz condition. at 20% load efficiency of 72% minimum.

3. Output characteristics

Normal Operation Output (LABEL SPEC)

Output Voltage	Load Range MIN MAX	Regulation	Ripple & Noise Peak-to-Peak Max.
1. +5V	1A 20A	+5%~ -5%	50mV
2. +12V1	1A 8A	+5%~ -5%	120mV
3. +12V2	1A 14A	+5%~ -5%	120mV
4. -12V	0A 0.5A	+10%~ -10%	120mV
5. +5Vsb	0A 2A	+5%~ -5%	50mV
6. +3.3V	0A 20A	+5%~ -5%	50mV

*. The max load can't be over 120W when both DC +5V and +3.3V are used.

*. The max load can't be over 192W when both DC 12V1., 12V2 are used.

*. The max load can't be over 284W when both DC +5V. +12V. +3.3V are used.

*. Maximum total peak output power shall not exceed 350 watts and also the working time can not

exceed 60 sec at normal input voltage.

3.1 Hold-up Time

DC output rise time is less than **20 ms** at nominal line full load.

3.2 Hold-up Time

DC +5V output maintains at least **16mS** after power off which hold within para 3.1.

3.3 PG-OK

PG-OK is a power good signal and be asserted asserted high by power supply to indicate that the +5 VDC and +3.3VDC outputs are above the under-voltage thresholds of the power supply. When this signal is asserted high, there should be sufficient mains energy stored by the converter to guarantee continuous power operation within specification.

+3.3VDC output voltage falls below the under-voltage threshold, or when mains power has been removed for a time sufficiently long so that power supply operation is no longer. See Figure 1 for a representation of the timing characteristics of the PG-OK, PS-ON, and germane power rail signals.

3.4 3.3V Sense

A default 3.3V sense line should be implemented pin 13 of the connector.

4. Protection

4.1 Output Protection

4.1.1 Over Voltage Protection

The +5V/+12V/+3.3V DC output are protected against the over voltage condition. Maximum value can't be over 7V at 5V terminal, 18V at 12V and 5V at 3.3V.

4.1.2 Over Power Protection

The power supply can be used electronic circuit to limit the output current against exceeding **125%** of surge output or protected against excessive power delivery since short circuit of any output or

over total power at nominal line.

4.1.3 Short Circuit Protection

Short circuit placed on any DC output will shut down all DC outputs latch. Standby power will be auto recovery.

5. Start Stability

5.1 No Load Start

When power is applied to **300W** with no load connected or under minimum load connected, neither damage to power supply nor hazards to users will occur.

5.2 Cold Start

The power supply shall operate properly when first applied at normal in put. voltage and or so maximum load after 4 hours storage in 0°C environment.

6. Environments

6.1 Temperature and Humidity

6.1.1 Operating

Temperature **0 to 40°C**

Relative Humidity 20 to 90%

6.1.2 Storage

Temperature -40 to 60°C

Relative Humidity 20 to 95% no condensing

6.2 Altitude

The power supply can operate normally at any altitude between 0 to 10,000 feet.

6.3 Vibration and Shock

6.3.1 Sweep and resonance search for each of X, Y, Z, axis at the sweep. RATE of 1/OCTAE/Min.

Frequency	Duration	Amplitude
5-20Hz	15minutes	0.38mm
20-50Hz	15minutes	0.25G

7. Conducted EMI

CE (Standard CISPR 22Class B & FCC Part 15 Class B)

8. Product Safety

8.1 Safety Requirement

UL(CUL),TUV,CB,FCC

8.2 Leakage Current

The AC leakage current is less than 3.5mA when the power supply connect to 254Vac-50Hz.

8.3 Insulation Resistance

The insulation resistance should be not less than 2M ohm after applying of 500VDC for 1 minute.

8.4 Dielectric Voltage Withstand

The power supply shall withstand for 1 minute without breakdown the application of a 60Hz 1500V AC voltage applied between both in put line and chassis (20mA DC cut-off current). Main transformer shall similarly withstand 3000Vac applied between both primary and secondary windings for a minimum of one minute.

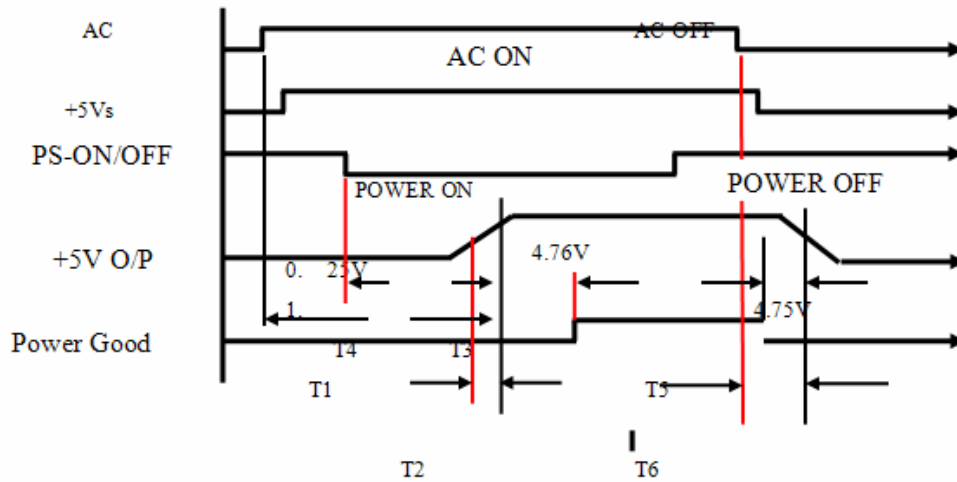
9. Power Good Signal

A TTL compatible signal the purpose of initiating an orderly start-up procedure under normal input operating conditions. During power up, this signal is asserted (low) until +5V is under regulation and AC reaches min. line specification range. After all voltage are going appropriate level, the system may have a turn on delay of 100mS,but no greater than 500mS. During power off the signal should go to low level before +5V is out of regulation. The low is 0 to 0.8V and high level is 4.75 to 5.25V.

The “power Good” signal can drive up to 6 standard TTL loads

Time Diagram

Figure 1



*T1: Turn on time (2 sec. Max.)

*T2: Rise time ($\leq 20\text{ms}$ Max.)

*T3: Power good turn on delay time ($100 < T3 < 500\text{ms}$)

*T4: Switch on time (0.5 sec. Max.)

*T5: Power good turn off delay time (1.0 ms Min.) PS-ON/OFF

*T6: power hold-on time (16 ms Min.)

* Power on-off cycle:

When the power supply is turned off for a minimum of 1.0 sec. And turn on again, the power good signal will be asserted.

10. Harmonics

If the product added PFC shall meet requirement for EN61000-3-3: 1955 standard of class D, test at 220Vac 50Hz..

ANDYSON International Co., Ltd.

Specification

Model name:

AD-5360N2-08
350W

Table of Contents

1. General

Scope

This specification defines the performance characteristics of a single phase peak **400** watts, **6** output power supply. This specification also defines world wide safety and electromagnetic compatibility requirements for the power supply which is intended for use in computer products.

2. Input Characteristics

2.1 AC input requirements

The input voltage, current, and frequency requirements for continuous operation are stated below.

Table 1 AC Input Line Requirements

Parameter	Min.	Nom.	Max.	Unit
V _{in}	100	110	120	VACrms
V _{in}	200	220	240	VACrms

The power supply is designed to operate in two specified voltage range depending upon outside manual input voltage switch selected.

2.2 Input Frequency

Nominal Frequency

Frequency Variation Range

50/60 Hz

47 Hz to 63 Hz

The power supply must operate at above frequency with both 100-120/200-240Vrms input voltage range.

2.3 Max. Input AC Current

Max. Input Current

Measuring Range

8A

100-120Vrms

5A

200-240Vrms

2.4 Inrush Current

Less than the ratings of its critical components (Including bulk rectifiers, fuses and surge limiting device).

2.5 Efficiency

350W provides an efficiency of 72% minimum when measured at full load under 220V-50Hz condition. at 20% load efficiency of 72% minimum.

3. Output characteristics

Normal Operation Output (LABEL SPEC)

Output Voltage	Load Range MIN MAX	Regulation	Ripple & Noise Peak-to-Peak Max.
1. +5V	1A 21A	+5%~ -5%	50mV
2. +12V1	1A 10A	+5%~ -5%	120mV
3. +12V2	1A 15A	+5%~ -5%	120mV
4. -12V	0A 0.5A	+10%~ -10%	120mV
5. +5Vsb	0A 2A	+5%~ -5%	50mV
6. +3.3V	0A 22A	+5%~ -5%	50mV

*. The max load can't be over 130W when both DC +5V and +3.3V are used.

*. The max load can't be over 216W when both DC 12V1, 12V2 are used.

*. The max load can't be over 334W when both DC +5V, +12V, +3.3V are used.

*. Maximum total peak output power shall not exceed 400watts and also the working time can not

exceed 60 sec at normal input voltage.

3.1 Hold-up Time

DC output rise time is less than **20 ms** at nominal line full load.

3.2 Hold-up Time

DC +5V output maintains at least **16mS** after power off which hold within para 3.1.

3.3 PG-OK

PG-OK is a power good signal and be asserted asserted high by power supply to indicate that the +5 VDC and +3.3VDC outputs are above the under-voltage thresholds of the power supply. When this signal is asserted high, there should be sufficient mains energy stored by the converter to guarantee continuous power operation within specification.

+3.3VDC output voltage falls below the under-voltage threshold, or when mains power has been removed for a time sufficiently long so that power supply operation is no longer. See Figure 1 for a representation of the timing characteristics of the PG-OK, PS-ON, and germane power rail signals.

3.4 3.3V Sense

A default 3.3V sense line should be implemented pin 13 of the connector.

4. Protection

4.1 Output Protection

4.1.1 Over Voltage Protection

The +5V/+12V/+3.3V DC output are protected against the over voltage condition. Maximum value can't be over 7V at 5V terminal, 18V at 12V and 5V at 3.3V.

4.1.2 Over Power Protection

The power supply can be used electronic circuit to limit the output current against exceeding **125%** of surge output or protected against excessive power delivery since short circuit of any output or

over total power at nominal line.

4.1.3 Short Circuit Protection

Short circuit placed on any DC output will shut down all DC outputs latch. Standby power will be auto recovery.

5. Start Stability

5.1 No Load Start

When power is applied to **350W** with no load connected or under minimum load connected, neither damage to power supply nor hazards to users will occur.

5.2 Cold Start

The power supply shall operate properly when first applied at normal in put. voltage and or so maximum load after 4 hours storage in 0°C envirinment.

6. Environments

6.1 Temperature and Humidity

6.1.1 Operating

Temperature **0 to 40°C**

Relative Humidity 20 to 90%

6.1.2 Storage

Temperature-40 to 60°C

Relative Humidity 20 to 95% no condensing

6.2 Altitude

The power supply can operate normally at any altitude between 0 to 100000 feet.

6.3 Vibration and Shock

6.3.1 Sweep and resonance search for each of X, Y, Z, axis at the sweep. RATE of 1/OCTAE/Min.

Frequency	Duration	Amplitude
5-20Hz	15minutes	0.38mm
20-50Hz	15minutes	0.25G

7. Conducted EMI

CE (Standard CISPR 22 Class B & FCC Part 15 Class B)

8. Product Safety

8.1 Safety Requirement

UL(CUL),TUV,CB,FCC

8.2 Leakage Current

The AC leakage current is less than 3.5mA when the power supply connect to 254Vac-50Hz.

8.3 Insulation Resistance

The insulation resistance should be not less than 2M ohm after applying of 500VDC for 1 minute.

8.4 Dielectric Voltage Withstand

The power supply shall withstand for 1 minute without breakdown the application of a 60Hz 1500V AC voltage applied between both in put line and chassis (20mA DC cut-off current). Main transformer shall similarly withstand 3000Vac applied between both primary and secondary windings for a minimum of one minute.

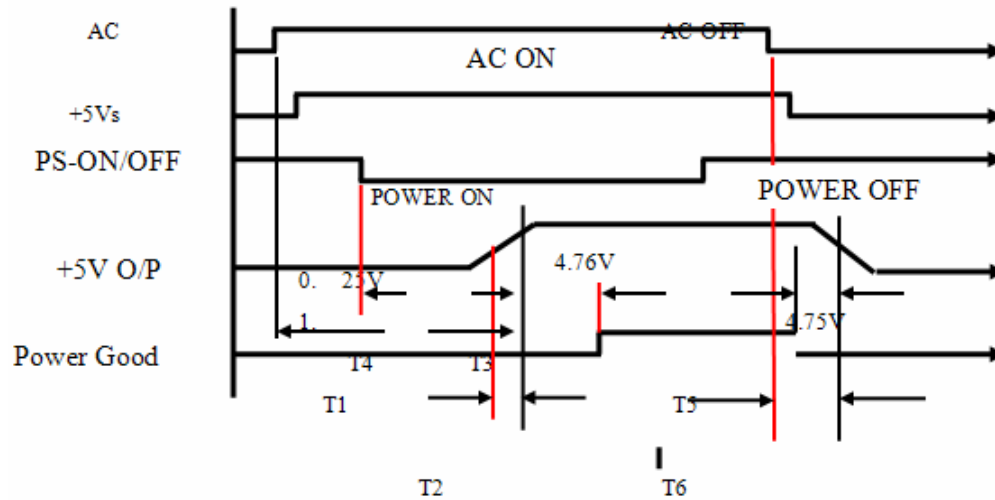
9. Power Good Signal

A TTL compatible signal the purpose of initiating an orderly start-up procedure under normal input operating conditions. During power up, this signal is asserted (low) until +5V is under regulation and AC reaches min. line specification range. After all voltage are going appropriate level, the system may have a turn on delay of 100mS, but no greater than 500mS. During power off the signal should go to low level before +5V is out of regulation. The low is 0 to 0.8V and high level is 4.75 to 5.25V.

The “power Good” signal can drive up to 6 standard TTL loads

Time Diagram

Figure 1



*T1: Turn on time (2 sec. Max.)

*T2: Rise time ($\leq 20\text{ms}$ Max.)

*T3: Power good turn on delay time ($100 < T3 < 500\text{ms}$)

*T4: Switch on time (0.5 sec. Max.)

*T5: Power good turn off delay time (1.0 ms Min.) PS-ON/OFF

*T6: power hold-on time (16 ms Min.)

* Power on-off cycle:

When the power supply is turned off for a minimum of 1.0 sec. And turn on again, the power good signal will be asserted.

10. Harmonics

If the product added PFC shall meet requirement for EN61000-3-3: 1955 standard of class D, test at 220Vac 50Hz..

ANDYSON International Co., Ltd.

Specification

Model name:

**AD-5420N2-08
400W**

Table of Contents

1. General

Scope

This specification defines the performance characteristics of a single phase peak **450** watts, **6** output power supply. This specification also defines world wide safety and electromagnetic compatibility requirements for the power supply which is intended for use in computer products.

2. Input Characteristics

2.1 AC input requirements

The input voltage, current, and frequency requirements for continuous operation are stated below.

Table 1 AC Input Line Requirements

Parameter	Min.	Nom.	Max.	Unit
V _{in}	100	110	120	VACrms
V _{in}	200	220	240	VACrms

The power supply is designed to operate in two specified voltage range depending upon outside manual input voltage switch selected.

2.2 Input Frequency

Nominal Frequency

Frequency Variation Range

50/60 Hz

47 Hz to 63 Hz

The power supply must operate at above frequency with both 100-120/200-240Vrms input voltage range.

2.3 Max. Input AC Current

Max. Input Current

Measuring Range

10A

100-120Vrms

6A

200-240Vrms

2.4 Inrush Current

Less than the ratings of its critical components (Including bulk rectifiers, fuses and surge limiting device).

2.5 Efficiency

400W provides an efficiency of 72% minimum when measured at full load under 220V-50Hz condition. at 20% load efficiency of 72% minimum.

3. Output characteristics

Normal Operation Output (LABEL SPEC)

Output Voltage	Load Range MIN MAX	Regulation	Ripple & Noise Peak-to-Peak Max.
1. +5V	1A 26A	+5%~ -5%	50mV
2. +12V1	1A 14A	+5%~ -5%	120mV
3. +12V2	1A 15A	+5%~ -5%	120mV
4. -12V	0A 0.5A	+10%~ -10%	120mV
5. +5Vsb	0A 2A	+5%~ -5%	50mV
6. +3.3V	0A 27A	+5%~ -5%	50mV

*. The max load can't be over 130W when both DC +5V and +3.3V are used.

*. The max load can't be over 264W when both DC 12V1..., 12V2 are used.

*. The max load can't be over 384W when both DC +5V, +12V, +3.3V are used.

*. Maximum total peak output power shall not exceed 450 watts and also the working time can not

exceed 60 sec at normal input voltage.

3.1 Hold-up Time

DC output rise time is less than **20 ms** at nominal line full load.

3.2 Hold-up Time

DC +5V output maintains at least **16mS** after power off which hold within para 3.1.

3.3 PG-OK

PG-OK is a power good signal and be asserted asserted high by power supply to indicate that the +5 VDC and +3.3VDC outputs are above the under-voltage thresholds of the power supply. When this signal is asserted high, there should be sufficient mains energy stored by the converter to guarantee continuous power operation within specification.

+3.3VDC output voltage falls below the under-voltage threshold, or when mains power has been removed for a time sufficiently long so that power supply operation is no longer. See Figure 1 for a representation of the timing characteristics of the PG-OK, PS-ON, and germane power rail signals.

3.4 3.3V Sense

A default 3.3V sense line should be implemented pin 13 of the connector.

4. Protection

4.1 Output Protection

4.1.1 Over Voltage Protection

The +5V/+12V/+3.3V DC output are protected against the over voltage condition. Maximum value can't be over 7V at 5V terminal, 18V at 12V and 5V at 3.3V.

4.1.2 Over Power Protection

The power supply can be used electronic circuit to limit the output current against exceeding **125%** of surge output or protected against excessive power delivery since short circuit of any output or

over total power at nominal line.

4.1.3 Short Circuit Protection

Short circuit placed on any DC output will shut down all DC outputs latch. Standby power will be auto recovery.

5. Start Stability

5.1 No Load Start

When power is applied to **400W** with no load connected or under minimum load connected, neither damage to power supply nor hazards to users will occur.

5.2 Cold Start

The power supply shall operate properly when first applied at normal in put. voltage and or so maximum load after 4 hours storage in 0°C environment.

6. Environments

6.1 Temperature and Humidity

6.1.1 Operating

Temperature **0 to 40°C**

Relative Humidity 20 to 90%

6.1.2 Storage

Temperature -40 to 60°C

Relative Humidity 20 to 95% no condensing

6.2 Altitude

The power supply can operate normally at any altitude between 0 to 100000 feet.

6.3 Vibration and Shock

6.3.1 Sweep and resonance search for each of X, Y, Z, axis at the sweep. RATE of 1/OCTAE/Min.

Frequency	Duration	Amplitude
5-20Hz	15minutes	0.38mm
20-50Hz	15minutes	0.25G

7. Conducted EMI

CE (Standard CISPR 22 Class B & FCC Part 15 Class B)

8. Product Safety

8.1 Safety Requirement

UL(CUL),TUV,CB,FCC

8.2 Leakage Current

The AC leakage current is less than 3.5mA when the power supply connect to 254Vac-50Hz.

8.3 Insulation Resistance

The insulation resistance should be not less than 2M ohm after applying of 500VDC for 1 minute.

8.4 Dielectric Voltage Withstand

The power supply shall withstand for 1 minute without breakdown the application of a 60Hz 1500V AC voltage applied between both in put line and chassis (20mA DC cut-off current). Main transformer shall similarly withstand 3000Vac applied between both primary and secondary windings for a minimum of one minute.

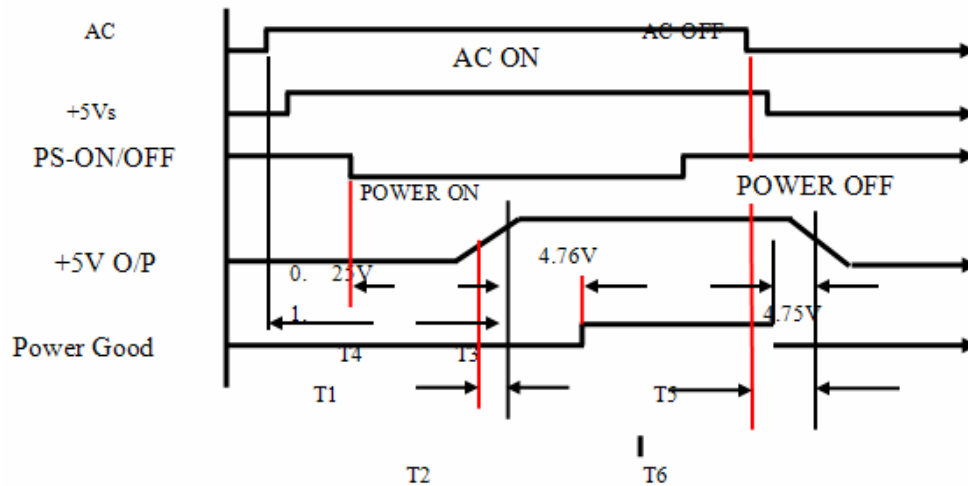
9. Power Good Signal

A TTL compatible signal the purpose of initiating an orderly start-up procedure under normal input operating conditions. During power up, this signal is asserted (low) until +5V is under regulation and AC reaches min. line specification range. After all voltage are going appropriate level, the system may have a turn on delay of 100mS, but no greater than 500mS. During power off the signal should go to low level before +5V is out of regulation. The low is 0 to 0.8V and high level is 4.75 to 5.25V.

The “power Good” signal can drive up to 6 standard TTL loads

Time Diagram

Figure 1



*T1: Turn on time (2 sec. Max.)

*T2: Rise time ($\leq 20\text{ms}$ Max.)

*T3: Power good turn on delay time ($100 < T3 < 500\text{ms}$)

*T4: Switch on time (0.5 sec. Max.)

*T5: Power good turn off delay time (1.0 ms Min.) PS-ON/OFF

*T6: power hold-on time (16 ms Min.)

* Power on-off cycle:

When the power supply is turned off for a minimum of 1.0 sec. And turn on again, the power good signal will be asserted.

10. Harmonics

If the product added PFC shall meet requirement for EN61000-3-3: 1955 standard of class D, test at 220Vac 50Hz..

ANDYSON International Co., Ltd.

Specification

Model name:

**AD-5460N2-08
450W**

Table of Contents

1. General

Scope

This specification defines the performance characteristics of a single phase peak **500** watts, **6** output power supply. This specification also defines world wide safety and electromagnetic compatibility requirements for the power supply which is intended for use in computer products.

2. Input Characteristics

2.1 AC input requirements

The input voltage, current, and frequency requirements for continuous operation are stated below.

Table 1 AC Input Line Requirements

Parameter	Min.	Nom.	Max.	Unit
V _{in}	100	110	120	VACrms
V _{in}	200	220	240	VACrms

The power supply is designed to operate in two specified voltage range depending upon outside manual input voltage switch selected.

2.2 Input Frequency

Nominal Frequency

Frequency Variation Range

50/60 Hz

47 Hz to 63 Hz

The power supply must operate at above frequency with both 100-120/200-240Vrms input voltage range.

2.3 Max. Input AC Current

Max. Input Current

Measuring Range

10A

100-120Vrms

6A

200-240Vrms

2.4 Inrush Current

Less than the ratings of its critical components (Including bulk rectifiers, fuses and surge limiting device).

2.5 Efficiency

450W provides an efficiency of 72% minimum when measured at full load under 220V-50Hz condition. at 20% load efficiency of 72% minimum.

3. Output characteristics

Normal Operation Output (LABEL SPEC)

Output Voltage	Load Range MIN MAX	Regulation	Ripple & Noise Peak-to-Peak Max.
1. +5V	1A 26A	+5%~ -5%	50mV
2. +12V1	1A 15A	+5%~ -5%	120mV
3. +12V2	1A 16A	+5%~ -5%	120mV
4. -12V	0A 0.5A	+10%~ -10%	120mV
5. +5Vsb	0A 2A	+5%~ -5%	50mV
6. +3.3V	0A 27A	+5%~ -5%	50mV

*. The max load can't be over 140W when both DC +5V and +3.3V are used.

*.The max load can't be over 312W when both DC 12V1...,12V2 are used.

*. The max load can't be over 434W when both DC+5V. +12V. +3.3V are used.

*. Maximum total peak output power shall not exceed 500 watts and also the working time can not

exceed 60 sec at normal input voltage.

3.1 Hold-up Time

DC output rise time is less than **20 ms** at nominal line full load.

3.2 Hold-up Time

DC +5V output maintains at least **16mS** after power off which hold within para 3.1.

3.3 PG-OK

PG-OK is a power good signal and be asserted asserted high by power supply to indicate that the +5 VDC and +3.3VDC outputs are above the under-voltage thresholds of the power supply. When this signal is asserted high, there should be sufficient mains energy stored by the converter to guarantee continuous power operation within specification.

+3.3VDC output voltage falls below the under-voltage threshold, or when mains power has been removed for a time sufficiently long so that power supply operation is no longer. See Figure 1 for a representation of the timing characteristics of the PG-OK, PS-ON, and germane power rail signals.

3.4 3.3V Sense

A default 3.3V sense line should be implemented pin 13 of the connector.

4. Protection

4.1 Output Protection

4.1.1 Over Voltage Protection

The +5V/+12V/+3.3V DC output are protected against the over voltage condition. Maximum value can't be over 7V at 5V terminal, 18V at 12V and 5V at 3.3V.

4.1.2 Over Power Protection

The power supply can be used electronic circuit to limit the output current against exceeding **125%** of surge output or protected against excessive power delivery since short circuit of any output or

over total power at nominal line.

4.1.3 Short Circuit Protection

Short circuit placed on any DC output will shut down all DC outputs latch. Standby power will be auto recovery.

5. Start Stability

5.1 No Load Start

When power is applied to **450W** with no load connected or under minimum load connected, neither damage to power supply nor hazards to users will occur.

5.2 Cold Start

The power supply shall operate properly when first applied at normal in put. voltage and or so maximum load after 4 hours storage in 0°C environment.

6. Environments

6.1 Temperature and Humidity

6.1.1 Operating

Temperature **0 to 40°C**

Relative Humidity 20 to 90%

6.1.2 Storage

Temperature -40 to 60°C

Relative Humidity 20 to 95% no condensing

6.2 Altitude

The power supply can operate normally at any altitude between 0 to 100000 feet.

6.3 Vibration and Shock

6.3.1 Sweep and resonance search for each of X, Y, Z, axis at the sweep. RATE of 1/OCTAE/Min.

Frequency	Duration	Amplitude
5-20Hz	15minutes	0.38mm
20-50Hz	15minutes	0.25G

7. Conducted EMI

CE (Standard CISPR 22Class B & FCC Part 15 Class B)

8. Product Safety

8.1 Safety Requirement

UL(CUL),TUV,CB,FCC

8.2 Leakage Current

The AC leakage current is less than 3.5mA when the power supply connect to 254Vac-50Hz.

8.3 Insulation Resistance

The insulation resistance should be not less than 2M ohm after applying of 500VDC for 1 minute.

8.4 Dielectric Voltage Withstand

The power supply shall withstand for 1 minute without breakdown the application of a 60Hz 1500V AC voltage applied between both in put line and chassis (20mA DC cut-off current). Main transformer shall similarly withstand 3000Vac applied between both primary and secondary windings for a minimum of one minute.

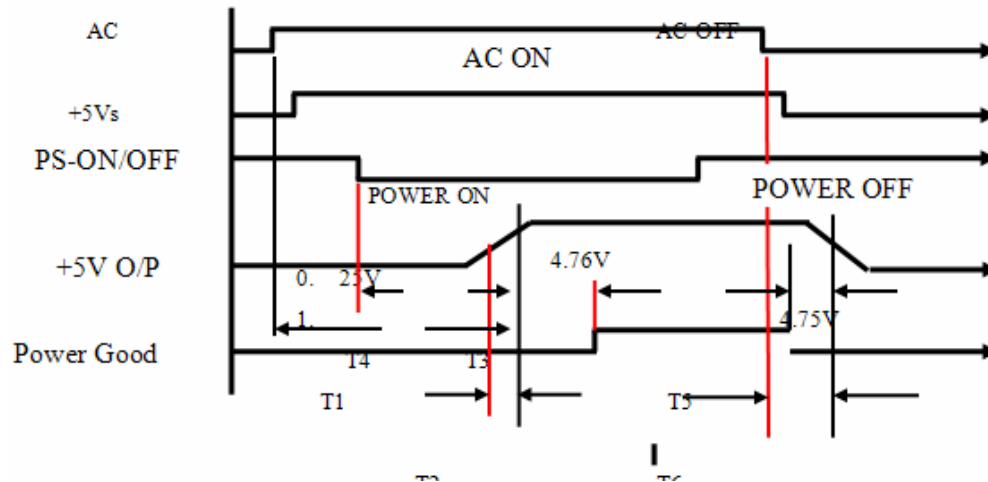
9. Power Good Signal

A TTL compatible signal the purpose of initiating an orderly start-up procedure under normal input operating conditions. During power up, this signal is asserted (low) until +5V is under regulation and AC reaches min. line specification range. After all voltage are going appropriate level, the system may have a turn on delay of 100mS,but no greater than 500mS. During power off the signal should go to low level before +5V is out of regulation. The low is 0 to 0.8V and high level is 4.75 to 5.25V.

The “power Good” signal can drive up to 6 standard TTL loads

Time Diagram

Figure 1



*T1: Turn on time (2 sec. Max.)

*T2: Rise time ($\leq 20\text{ms}$ Max.)

*T3: Power good turn on delay time ($100 < T3 < 500\text{ms}$)

*T4: Switch on time (0.5 sec. Max.)

*T5: Power good turn off delay time (1.0 ms Min.) PS-ON/OFF

*T6: power hold-on time (16 ms Min.)

* Power on-off cycle:

When the power supply is turned off for a minimum of 1.0 sec. And turn on again, the power good signal will be asserted.

10. Harmonics

If the product added PFC shall meet requirement for EN61000-3-3: 1955 standard of class D, test at 220Vac 50Hz..