

DESCRIPTION

100W Open frame type power supply with 5V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 5V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
5 V , 20 A

Ripple & Noise:

Output1
150mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ / \square maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10° to +70°
De-rating: De-rate from 100% at +50°, linearly to 50% at +70°
Storage temperature: -40° to +85°
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Load minimum on all models

Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25° ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 12V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 12V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
12 V , 8.34 A

Ripple & Noise:

Output1
120mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ / °C maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10° to +70°
De-rating: De-rate from 100% at +50°, linearly to 50% at +70°
Storage temperature: -40° to +85°
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Load minimum on all models

Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25° ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 15V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 15V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
15 V , 6.70 A

Ripple & Noise:

Output1
150mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ / °C maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10° to +70°
De-rating: De-rate from 100% at +50°, linearly to 50% at +70°
Storage temperature: -40° to +85°
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Load minimum on all models

Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25° ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 18V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 18V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
18 V , 5.56 A

Ripple & Noise:

Output1
180mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ / °C maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10° to +70°
De-rating: De-rate from 100% at +50°, linearly to 50% at +70°
Storage temperature: -40° to +85°
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Load minimum on all models

Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25° ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 24V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant

WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 24V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
24 V , 4.2 A

Ripple & Noise:

Output1
240mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions
Temperature coefficient: All outputs $\pm 0.04\%$ / \square maximum
Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)
Cooling: convection
Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent
Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control: No



SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10 \square to +70 \square
De-rating: De-rate from 100% at +50 \square , linearly to 50% at +70 \square
Storage temperature: -40 \square to +85 \square
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Road% minimum on all models
Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground, 270,000 hours minimum at full load at 25 \square ambient, calculated per MIL-HDBK-217F

MTBF:

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 28V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2' x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 28V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
28 V , 3.58 A

Ripple & Noise:

Output1
280mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs ±0.04% / ° maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10° to +70°
De-rating: De-rate from 100% at +50°, linearly to 50% at +70°
Storage temperature: -40° to +85°
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Load minimum on all models
Hold-up time: 12 ms minimum at 12 VAC
Line regulation: ±0.2% maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25° ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ±8 KV air, ±6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ±2 KV
EN61000-4-5: Surge, ±1 KV diff., ±2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 36V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 36V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
36 V , 2.78 A

Ripple & Noise:

Output1
360mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ / °C maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10° to +70°
De-rating: De-rate from 100% at +50°, linearly to 50% at +70°
Storage temperature: -40° to +85°
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Load minimum on all models

Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25° ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

DESCRIPTION

100W Open frame type power supply with 48V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.26"
- High power density 10 W / cubic inch
- 100W output with convection cooling up to 50°C
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 100W

PRODUCT HIGHLIGHT

Efficiency Level: 87% / 115Vac & 89% / 230Vac
Output Voltage: 48V
Size: 50.8 (2") x 101.6 (4") x 32 (1.26") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~132 Vac
Input Frequency: 47~63 Hz
Input Current: 1.9A (rms) for 100 - 120 VAC 1.1A (rms) for 200 - 240 VAC
Inrush current: 40A @115VAC ; 80A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
48 V , 2.1 A

Ripple & Noise:

Output1
480mV

Over Voltage Protection:

Output1
110% - 140%

Over current protection: All outputs protected to short circuit conditions

Temperature coefficient: All outputs $\pm 0.04\%$ / \square maximum

Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 32.0mm(H)

Cooling: convection

Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent

Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent

Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10 \square to +70 \square
De-rating: De-rate from 100% at +50 \square , linearly to 50% at +70 \square
Storage temperature: -40 \square to +85 \square
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 87% /115Vac & 89% / 230Vac @Full Road% minimum on all models

Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground,
MTBF: 270,000 hours minimum at full load at 25 \square ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55015: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms (Criteria A @ 230VAC, Criteria B @ 100VAC), > 95% reduction for 10ms (Criteria A)

