Industry
FSP100-1K00

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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)

Industry
FSP100-1K20

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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)

Industry
FSP100-1K30

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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)

Industry
FSP100-1K31

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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)

Industry
FSP100-1K40

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

APPLICATION
For information technolegy 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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

SAFETY STANDARD APPAOVAL

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 Road% 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)

Industry
FSP100-1K50

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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)

Industry
FSP100-1K70

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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)

Industry
FSP100-1K80

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

APPLICATION
For information technolegy 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

SAFETY STANDARD APPAOVAL

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 coefficien:	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
Conntector Type-Output:	Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control:	No

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 Road% 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
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)