

Non-PF-Series

HM-300

- Design for outdoor or indoor installations
- Constant Voltage Power Supplies
- AC Input Voltage Range : 180~240VAC 60Hz
- IP68 For Outdoor Installations
- Protections : OVP, SCP, OCP, OTP
- Safety : K61347-1, K61347--2-13, K62384 compliant
- EMI : EN55015, EN61000-3-2, -4-2~8, -4-11 ,K00015 compliant



KC No. : JH11522-14001



IP68

Input Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Input Voltage Range	220VAC Input	180	220	240	VAC
Input Frequency Range			60		Hz
Input Current	300W Input		1.8		A
Inrush Current	At 220VAC VAC input, 25°C Cold start			50	A

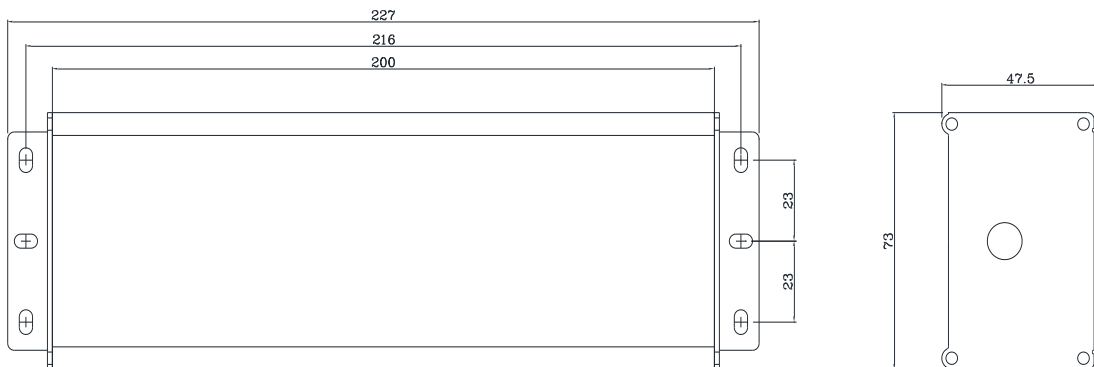
Output Specifications

parameter	Conditions/Description	12V		Units
Output Current	Full load	22		Ampere
Voltage Accuracy	% of Vout	±5		%
Line Regulation	220Vac Full load	±2		%
Load Regulation	220Vac Full load	±2		%
Ripple and Noise	20MHz Bandwidth	500		mV
Turn-on Delay	Measured at 220VAC and full load	2		s
Short Circuit Protection	Auto Recovery	•		
Over Voltage Protection	Non-latching. See individual models OVP levels			

General Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Withstand Voltage	Input to Case(10mA, 1Minute)		2,000		VAC
Efficiency(Typical)	See individual models		86.0		%
Life time	Load 80% at 30°C		32,000		Hours
Weight			1,170		g
Operating Temperature		-20		+ 50	°C
Storage Temperature		-30		+ 70	°C
Relative Humidity	Non-condensing (operating)	10		90	%RH
Power Derating	At 220VAC, derates linearly from 100% at 30°C to 80% at 50°C				

DIMENSIONS



INPUT / OUTPUT WIRING

INPUT CABLE : VCTF 0.75mm² 3C / Blue(N) and Brown(L) Green(Earth), 200±20mm
 OUTPUT CABLE : VCTF 1.0mm² 2C*3series / Brown(+V) and Blue(-V) , 200±20mm

Non-PF-Series

HM-200

- Design for outdoor or indoor installations
- Constant Voltage Power Supplies
- AC Input Voltage Range : 180~240VAC 60Hz
- IP68 For Outdoor Installations
- Protections : OVP, SCP, OCP, OTP
- Safety : K61347-1, K61347--2-13, K62384 compliant
- EMI : EN55015, EN61000-3-2, -4-2~8, -4-11 ,K00015 compliant



KC No. : JH11522-14001



IP68

Input Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Input Voltage Range	220VAC Input	180	220	240	VAC
Input Frequency Range			60		Hz
Input Current	201W Input		1.4		A
Inrush Current	At 220VAC VAC input, 25°C Cold start			40	A

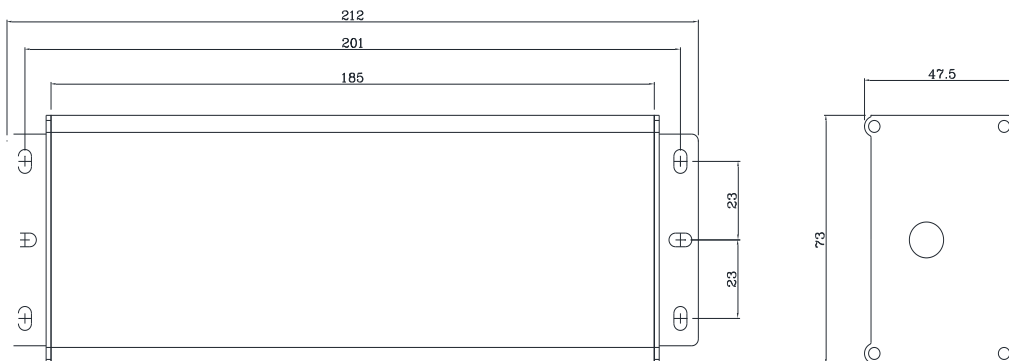
Output Specifications

parameter	Conditions/Description	12V		Units
Output Current	Full load	16.3		Ampere
Voltage Accuracy	% of Vout	±5		%
Line Regulation	220Vac Full load	±2		%
Load Regulation	220Vac Full load	±2		%
Ripple and Noise	20MHz Bandwidth	500		mV
Turn-on Delay	Measured at 220VAC and full load	2		s
Short Circuit Protection	Auto Recovery	•		
Over Voltage Protection	Non-latching. See individual moldels OVP levels			

General Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Withstand Voltage	Input to Case(10mA, 1Minute)		2,000		VAC
Efficiency(Typical)	See individual models		86.0		%
Life time	Load 80% at 30°C		32,000		Hours
Weight			1,170		g
Operating Temperature		-20		+ 50	°C
Storage Temperature		-30		+ 70	°C
Relative Humidity	Non-condensing (operating)	10		90	%RH
Power Derating	At 220VAC, derates linearly from 100% at 30°C to 80% at 50°C				

DIMENSIONS



INPUT / OUTPUT WIRING

INPUT CABLE : VCTF 0.75mm² 3C / Blue(N) and Brown(L) Green(Earth), 200±20mm
 OUTPUT CABLE : VCTF 1.0mm² 2C*3series / Brown(+V) and Blue(-V) , 200±20mm

Non-PF-Series

HM-100

- Constant Voltage Power Supplies
- AC Input Voltage Range : 180~240VAC 60Hz
- IP68 For Outdoor Installations
- Protections : OVP, SCP, OCP, OTP
- Safety : K61347-1, K61347--2-13, K62384 compliant
- EMI : EN55015, EN61000-3-2, -4-2~8, -4-11 ,K00015 compliant



KC No. : JH11522-14002



IP68

Input Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Input Voltage Range	220VAC Input	180	220	240	VAC
Input Frequency Range			60		Hz
Input Current	100W Input		0.81		A
Inrush Current	At 220VAC VAC input, 25°C Cold start			30	A

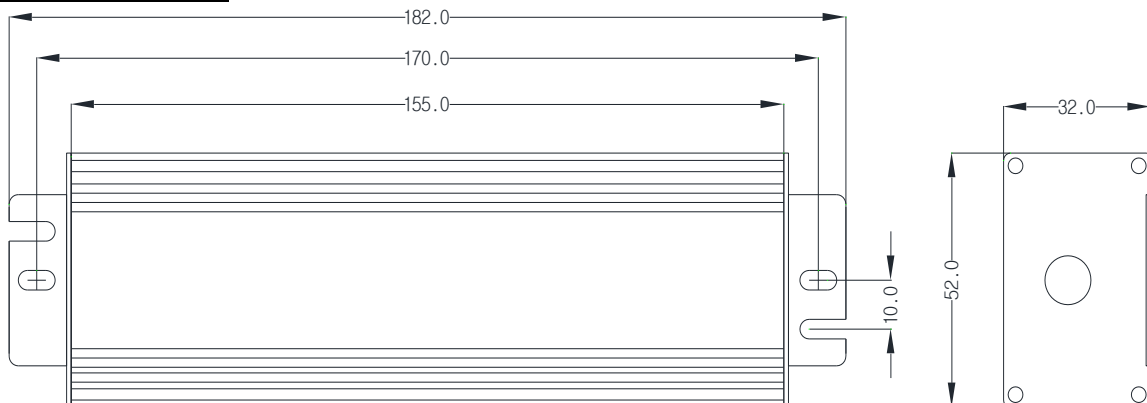
Output Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Output Current	Full load		7.5		Ampere
Voltage Accuracy	% of Vout		±5		%
Line Regulation	220Vac Full load		±2		%
Load Regulation	220Vac Full load		±2		%
Ripple and Noise	20MHz Bandwidth		500		mV
Turn-on Delay	Measured at 220VAC and full load		2		s
Short Circuit Protection	Auto Recovery		•		
Over Voltage Protection	Non-latching. See individual moldels OVP levels				

General Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Withstand Voltage	Input to Case(10mA, 1Minute)		2,000		VAC
Efficiency(Typical)	See individual models		86.0		%
Life time	Load 80% at 30°C		32,000		Hours
Weight			1,170		g
Operating Temperature		-20		+ 50	°C
Storage Temperature		-30		+ 70	°C
Relative Humidity	Non-condensy (operating)	10		90	%RH
Power Derating	At 220VAC, derates linearly from 100% at 30°C to 80% at 50°C				

DIMENSIONS



INPUT / OUTPUT WIRING

INPUT CABLE : VCTF 0.75mm² 3C / Blue(N) and Brown(L) Green(Earth), 200±20mm

OUTPUT CABLE : VCTF 1.0mm² 2C*3series / Brown(+V) and Blue(-V) , 200±20mm

Non-PF-Series

HM-60

- Constant Voltage Power Supplies
- AC Input Voltage Range : 180~240VAC 60Hz
- IP68 For Outdoor Installations
- Protections : SCP, OCP
- Safety : K61347-1, K61347--2-13, K62384 compliant
- EMI : EN55015, EN61000-3-2, -4-2~8, -4-11 ,K00015 compliant



KC No. : JH11522-14002



IP68

Input Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Input Voltage Range	220VAC Input	180	220	240	VAC
Input Frequency Range			60		Hz
Input Current	60W Input		0.7		A
Inrush Current	At 220VAC VAC input, 25°C Cold start			30	A

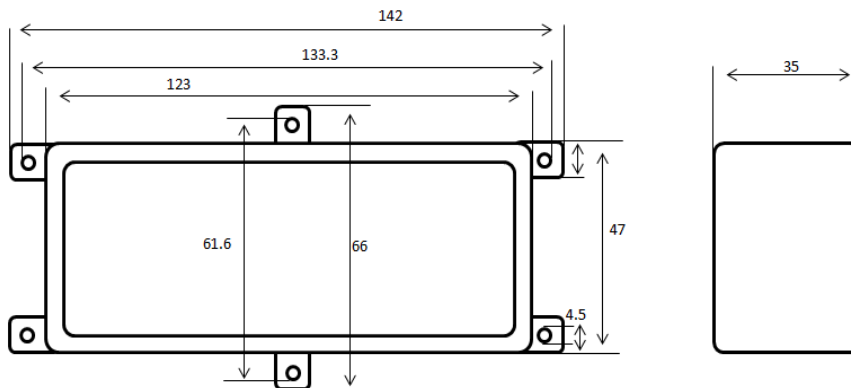
Output Specifications

parameter	Conditions/Description	12V		Units
Output Current	Full load	4.5		Ampere
Voltage Accuracy	% of Vout	±5		%
Line Regulation	220Vac Full load	±2		%
Load Regulation	220Vac Full load	±2		%
Ripple and Noise	20MHz Bandwidth	500		mV
Turn-on Delay	Measured at 220VAC and full load	2		s
Short Circuit Protection	Auto Recovery	•		
Over Voltage Protection	Non-latching. See individual models OVP levels			

General Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Withstand Voltage	Input to Case(10mA, 1Minute)		2,000		VAC
Efficiency(Typical)	See individual models		86.0		%
Life time	Load 80% at 30°C		32,000		Hours
Weight			1,170		g
Operating Temperature		-20		+ 50	°C
Storage Temperature		-30		+ 70	°C
Relative Humidity	Non-condensing (operating)	10		90	%RH
Power Derating	At 220VAC, derates linearly from 100% at 30°C to 80% at 50°C				

DIMENSIONS



INPUT / OUTPUT WIRING

INPUT CABLE : VCTF 0.75mm² 3C / Blue(N) and Brown(L) Green(Earth), 200±20mm

OUTPUT CABLE : VCTF 1.0mm² 2C*3series / Brown(+V) and Blue(-V) , 200±20mm

Non-PF-Series

HM-30

- Constant Voltage Power Supplies
- AC Input Voltage Range : 180~240VAC 60Hz
- IP68 For Outdoor Installations
- Protections : OVP, SCP, OCP, OTP
- Safety : K61347-1, K61347--2-13, K62384 compliant
- EMI : EN55015, EN61000-3-2, -4-2~8, -4-11 ,K00015 compliant



KC No. : JH11522-14005



Input Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Input Voltage Range	220VAC Input	180	220	240	VAC
Input Frequency Range			60		Hz
Input Current	30W Input		0.34		A
Inrush Current	At 220VAC VAC input, 25°C Cold start			20	A

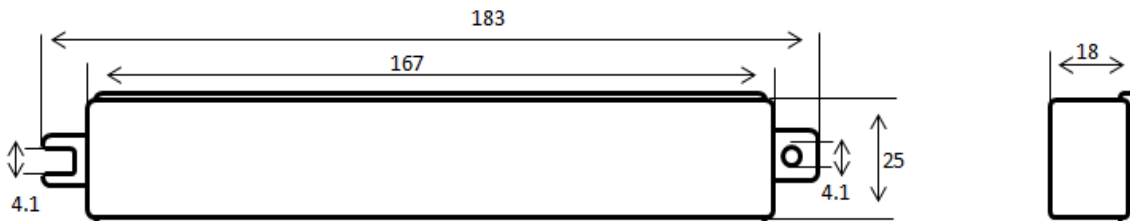
Output Specifications

parameter	Conditions/Description	12V		Units
Output Current	Full load	2.2		Ampere
Voltage Accuracy	% of Vout	±5		%
Line Regulation	220Vac Full load	±2		%
Load Regulation	220Vac Full load	±2		%
Ripple and Noise	20MHz Bandwidth	500		mV
Turn-on Delay	Measured at 220VAC and full load	2		s
Short Circuit Protection	Auto Recovery	•		
Over Voltage Protection	Non-latching. See individual moldels OVP levels			

General Specifications

parameter	Conditions/Description	Min	Nor	Max	Units
Withstand Voltage	Input to Case(10mA, 1Minute)		2,000		VAC
Efficiency(Typical)	See individual models		86.0		%
Life time	Load 80% at 30°C		32,000		Hours
Weight			1,170		g
Operating Temperature		-20		+ 50	°C
Storage Temperature		-30		+ 70	°C
Relative Humidity	Non-condensing (operating)	10		90	%RH
Power Derating	At 220VAC, derates linearly from 100% at 30°C to 80% at 50°C				

DIMENSIONS



INPUT / OUTPUT WIRING

INPUT CABLE : VCTF 0.75mm² 3C / Blue(N) and Brown(L) Green(Earth), 200±20mm
 OUTPUT CABLE : VCTF 1.0mm² 2C*3series / Brown(+V) and Blue(-V) , 200±20mm