

Electronic Ballast for Greenhouse Lighting

400,600,750,1000 Watt for MH/HPS Lamps

Definition:

Electronic ballast for agricultural in the world,greenhouse plays an important role for the off-season crops.However, serious shortage of light is widespread greenhouse.

Applications:

Widely used in greenhouse lighting.

Features and Benefits:

- Reduce power losses and Energy Saving.
- Constant output power.
- Various protection function,high safety and reliability.
- Green,reduce the pollution to the power net.
- Easy to install and convenient for use.
- The electronic ballasts for HPS can compensate for voltage loss.
- The electronic ballasts can protect the HPS lamps against power surges to improve life time.
- No sound resonance.
- Conformity with TUV,CE and RoHS certification.
- Good guarantee for our customers.



O-lighting Electronic Ballast

400,600,750,1000Watt 230V/400V/277V/347V for Horticultural Lighting


Complete Fixture Series

Product Model	Lamp Data		Input Volts 50/60 Hz	Line Current (A)	Input Power (Watts)	Minimum Power Factor	Case & Wiring Number Diagram
	Watts	Number					
HH-2340-VY1A	400	1	220-240	1.87	430	≥0.98	1-1
HH-2360-VY1A	600	1	220-240	2.78	640	≥0.98	1-2
HH-2375-VY1A	750	1	220-240	3.59	790	≥0.98	1-2
HH-4060-VY1A	600	1	400	1.61	635	≥0.98	2
HH-4075-VY1A	750	1	400	1.98	780	≥0.98	2
HH-40100-VY1A	1000	1	400	2.61	1032	≥0.98	3
HH-27760-VY1A	600	1	277	2.37	645	≥0.98	2
HH-27775-VY1A	750	1	277	2.91	790	≥0.98	2
HH-277100-VY1A	1000	1	277	3.85	1045	≥0.98	3
HH-34760-VY1A	600	1	347	1.88	640	≥0.98	2
HH-34775-VY1A	750	1	347	2.31	785	≥0.98	2
HH-347100-VY1A	1000	1	347	3.07	1040	≥0.98	3

Electronic PCB Bracket Series

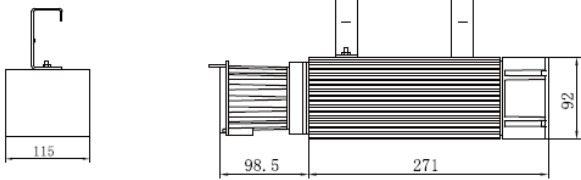
Product Model	Lamp Data		Input Volts 50/60 Hz	Line Current (A)	Input Power (Watts)	Minimum Power Factor	Case & Wiring Number Diagram
	Watts	Number					
HH-2340-VY2A	400	1	230	1.87	430	≥0.98	4-1
HH-2360-VY2A	600	1	230	2.78	640	≥0.98	4-2
HH-2375-VY2A	750	1	230	3.59	790	≥0.98	5
HH-4060-VY2A	600	1	400	1.61	635	≥0.98	5
HH-4075-VY2A	750	1	400	1.98	780	≥0.98	5
HH-40100-VY2A	1000	1	400	2.61	1032	≥0.98	5
HH-27760-VY2A	600	1	277	2.37	645	≥0.98	5
HH-27775-VY2A	750	1	277	2.91	790	≥0.98	5
HH-277100-VY2A	1000	1	277	3.85	1045	≥0.98	5
HH-34760-VY2A	600	1	347	1.88	640	≥0.98	5
HH-34775-VY2A	750	1	347	2.31	785	≥0.98	5
HH-347100-VY2A	1000	1	347	3.07	1040	≥0.98	5

1



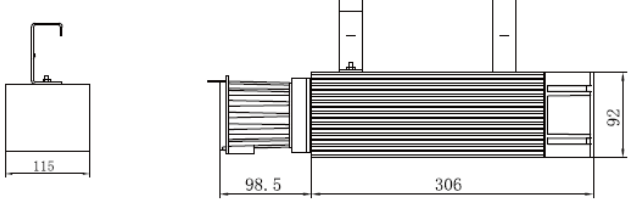
1-1

400W



1-2

600W

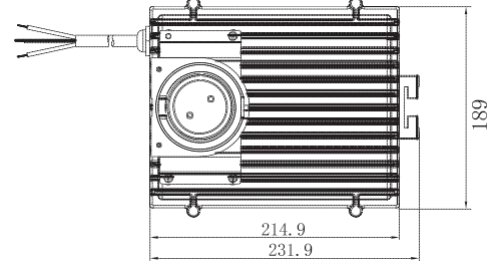
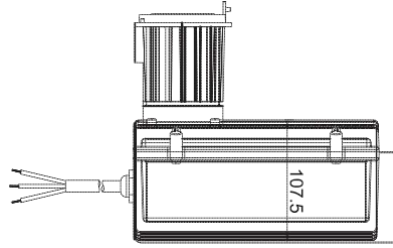


	Case Length	Case Width	Height	Weight
1-1	369.5mm(14.55")	115mm(4.53")	92mm (3.62")	2.96kg(6.53lb)
1-2	404.5mm(15.93")	115mm(4.53")	92mm (3.62")	3.22kg(7.10lb)

O-lighting Electronic Ballast

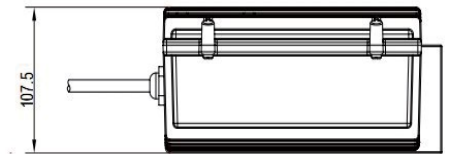
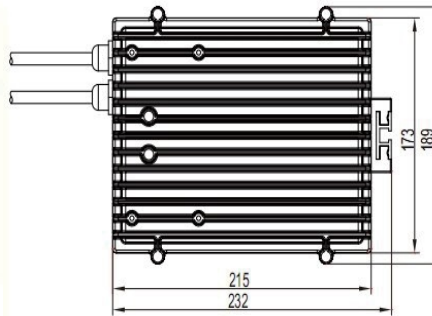
400,600,750,1000Watt 230V/400V/277V/347V for Horticultural Lighting

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Case Length	Case Width	Height	Weight
231.9mm(9.13")	189mm(7.44")	107.5mm (4.23")	3.5kg(7.72lb)

3

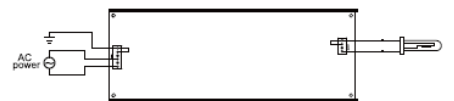
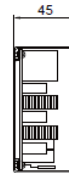
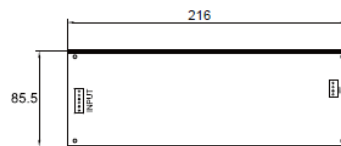


Case Length	Case Width	Height	Weight(Ballast)
231.9mm(9.13")	189mm(7.44")	107.5mm (4.23")	3.5kg(7.72lb)

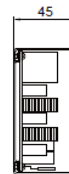
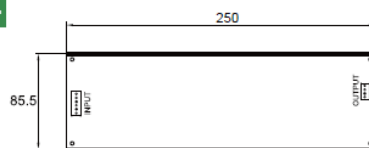
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4-1



4-2

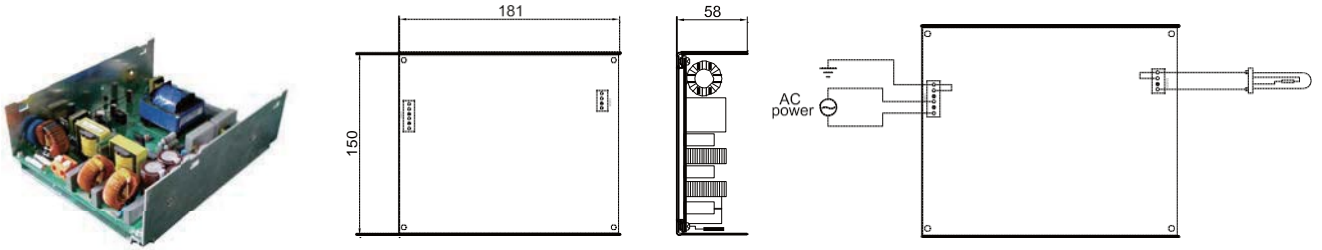


Case Length	Case Width	Height	Weight
216mm(8.50")	85.5mm(3.37")	45mm (1.77")	0.78kg(1.72lb)
250mm(9.84")	85.5mm(3.37")	45mm (1.77")	0.88kg(1.94lb)

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Case Length	Case Width	Height	Weight
181mm(7.13")	150mm(5.90")	58mm (2.28")	0.79kg(1.74lb)

Protections:

- Lamp EOL protection
- Short circuit protection
- Open circuit protection
- Ignition failure protection
- Thermal protection

Installation & Application Notes:

- 1.Ambient Temperature:-20...+40°C
- 2.Ignition pulse is 5 kV max
- 3.Remote Mounting: 15m
- 4.Power must be cycled off-then on, after replacing the lamps
- 5.Ballast output will shutdown after 30 minutes if lamp fails to ignite
- 6.The time gap must be more than 60 seconds between every shutting down and restarting of the power supply.

Compliances and approvals:

- 1.CE Marking
- 2.cULus Listed
- 3.FCC Part 18,for Non-Consumer equipment
- 4.ISO 9001



Performance Requirements:

Voltage range :	+/-10%
Mains frequency :	50/60Hz
Total Harmonic Distortion(THD) :	<10%
Crest Factor :	<1.7



Holland Greenhouse Project
Product: 1000W/400V
Quantity: 15000 PCS



Holland Greenhouse Project
Product: 600W/230V
Quantity: 10000 PCS