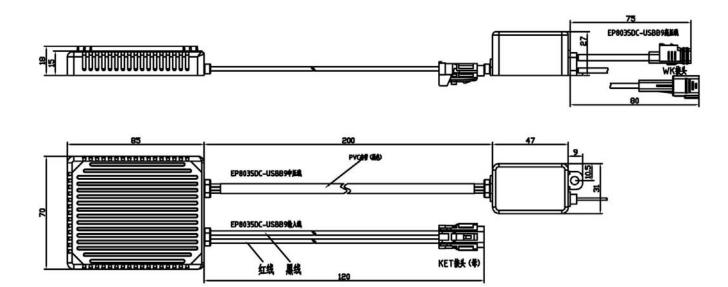


P-RHIDBALLAST.50.V TECHNICAL INFORMATION

Vision X 50 WATT Off Road Ballast & Starter





Washington Office 901 Algona Blvd N. Unit F Algona, WA 98001 Ph: 888-489-9820 Fx: 253-218-2905

Arizona Office 6501 E. Greenway Suite 103-542 Scottsdale, AZ 85254 Ph: 800-994-4460 Fx: 480-922-5655



www.visionxusa.com Page 1 of 3 4/29/2010

m:\technical data\hid\p-rhidballast.50.v technical specifications.doc



P-RHIDBALLAST.50.V TECHNICAL INFORMATION

Vision X 50 WATT Off Road Ballast & Starter

P-RHIDBALLAST.50.V Options

Type	Order No.	Output/W	Lamps
EP8050DC-	EP8050DC-USBDF9-P	50	r ~
USBDF9-P			
Technical data			
Input Voltage Range $DC9V \sim 32V$			
Typical Operating Voltage DC12.8V			
Typical Operating Voltage DC24V			
Typical Input Current 4.3A, Condition: DC 12.8V Input			
Typical Input Current2.2A, Condition: DC 24V Input			
Max. Inrush Current 25A			
Output Power $47W \pm 2W$ (Constant Power)			
Output voltage AC85V \pm 15V (Square Pulse, RMS70V \sim 100V)			
Output Frequency	260Hz~280Hz		
Efficiency:	≥83%,		
Ignition pulse Typical peak Voltage 23kV			
Typical duration 1s			
Cooling method	Natural cooling		
Input Protections	Under voltage protection	on at $6V \pm 1V$	
Over voltage protection at $34.5V \pm 1V$			
Input connection-reverse protection			
Output Protections Short circuit protection between two outputs			
Open circuit protection between two outputs			
Operating temperature $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$			
Storage temperature $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$			

Arizona Office 6501 E. Greenway Suite 103-542 Scottsdale, AZ 85254 Ph: 800-994-4460 Fx: 480-922-5655





P-RHIDBALLAST.50.V TECHNICAL INFORMATION

Vision X 50 WATT Off Road Ballast & Starter

Warning Notice

Do not attempt to handle or operate an electronic power supply (EPS) and ignitor before completely reading and understanding this notice. Contact EPE if you are uncertain of characteristics of these devices.

The ignitor produces starting voltages of up to 23kV and electromagnetic radiation interference, which are hazardous to personnel and sensitive instrumentation. Do not touch any conductive parts

Both electronic lamp ballast and ingnitor must never be installed or operated in an explosive or volatile atmosphere. Never use the ballast or ignitor near flammable gases or liquids. See that there will be no moisture, dust or similar which could lead to short circuits or fire.

No potential isolation is provided between line input and output. Accidentally grounding of an output terminal by direct contact or arcing to GND can damage the unit (no warranty replacement).

All installation and repair work on this unit is only permitted by qualified personnel.

Please provide sufficient cooling condition for EPS and ignitor.

EPE does not assume liability for disregarding of this notice, incorrect use of the EPS and ignitor or disregarding of any legal requirements. This product is subject to technical changes without prior notice.

Arizona Office 6501 E. Greenway Suite 103-542 Scottsdale, AZ 85254 Ph: 800-994-4460 Fx: 480-922-5655



www.visionxusa.com Page 3 of 3 4/29/2010