



DUAL AC Ballast-125/200W

AC Ballast 125/200W | [DC Ballast 125/200W](#) | [Battery Belt](#) | [Battery Pack](#) | [Battery Charger](#)

FEATURES

- LAMP COLOUR TEMPERATURE INDICATION
- FLICKERFREE CRYSTAL CONTROLLED OUTPUT
- CONSTANT COLOUR TEMPERATURE
- INSTANT HOT-RESTRRIKE CAPABILITY
- PRECISE POWER REGULATION FOR CONSTANT LIGHT OUTPUT
- DIMMABLE FROM 50-100% WITH CONSTANT COLOUR TEMPERATURE
- COMPATIBLE WITH DIGITAL CAMERAS
- ADVANCED DESIGN FOR MAXIMISED LAMP LIFE
- ULTRA QUIET OPERATION
- DUAL OUTPUT- Only one at a time
- UNIVERSAL WORLDWIDE AC INPUT
- SUPPORTS LAMPHEADS WITH OR WITHOUT ON/OFF SWITCHES
- SUPPORTS LAMPHEADS FITTED WITH SAFETY LOOP
- PROVEN AND RELIABLE DESIGN
- RUGGED, COMPACT AND LIGHTWEIGHT DESIGN

SPECIAL VERSIONS

- POWER FACTOR CORRECTED TO EN61000-3-2 Class C

SPECIFICATIONS

· INPUT VOLTAGE	90 - 260V AC, 50 - 60 Hz Universal input.
· EARTH LEAKAGE	<1.0mA
· POWER FACTOR	0.6 for standard version, 0.98 for Power Factor corrected version.
· INPUT POWER	250W Max, Efficiency 85%
· OUTPUT CHARACTERISTICS	Precise power regulation to maintain constant power output, with instant hot-restrike capability. Output power can be variably dimmed from 100% to 50% of the maximum luminous output.
· LAMP COLOUR TEMPERATURE	A blue LED indicates when the lamp has reached operating colour temperature.
· CONTROLS	LAMP ON / OFF CONTROLS The Ballast is fitted with a green ON switch and a red OFF switch. The green ON switch is indicated by an illuminated amber Power LED. An additional green LED indicates the lamp wattage connected to the Ballast. The red OFF switch turns off the Ballast. The Ballast ON/OFF switches can be utilised to remotely control the lamphead if required. DIMMING Dimming control is by means of a 270 degree turn potentiometer. Dimming is disabled after initially powering up the Ballast to enable the lamp to reach the correct colour temperature.
· OUTPUT SOCKET	Amphenol type: C 16 Series T3107-000 6+PE contacts Mating plug type: T3104-001 6+PE contacts
· CONNECTIONS	Pin 1 - Lamp, Pin 2 - Lamp, Pin 3 - Ignitor, Pin 4 - Function Pin 5 - Function, Pin 6 - Function, Pin 7 - PE. See Fig. 1.

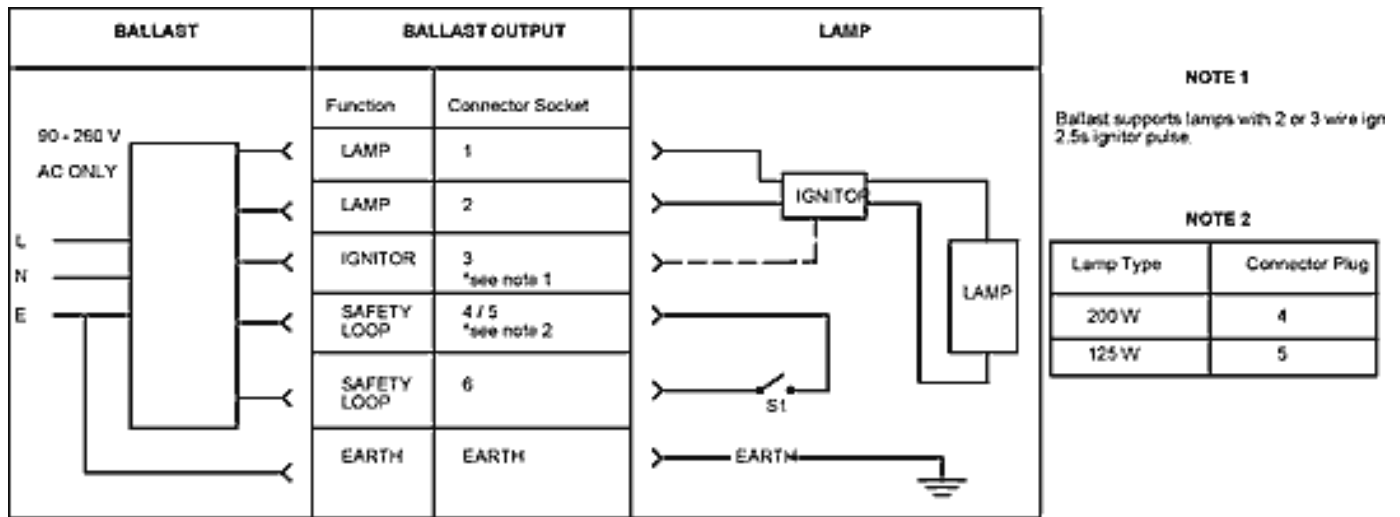


Figure 1. Ballast output connections and typical lamp configuration

· INPUT	Power is supplied to the Ballast via a universally used IEC power socket. This allows easy selection of correct AC power cable for the customer
· PROTECTION	CONNECTING PIN PROTECTION: To eliminate pin arcing and burning the Ballast has an internal time delay to connect power to its control circuitry
· FUSE	Warning! Live and Neutral twin fused. For additional safety both Live and Neutral inputs are fused with a 10A fuse
· MECHANICAL	The ballast is housed in an extruded aluminium heatsink casing. The ballast may be fitted with a "stand-lock" docking accessory to permit easy fitting to stand or other mounting setup.
· DIMENSIONS	Height: 63mm (Without Stand-Lock), 78mm (With Stand- Lock) Length: 220mm with Controls. 255mm with controls for PF version. Width: 130mm Weight: 1.5Kg. 1.7 Kg for PF version
· ENVIRONMENTAL	Operating: Temp: 0 to 35oC, Humidity: 10 to 80% no condensation. Storage: Temp: -20 to 85oC Humidity: 5 to 90% no condensation.
· COOLING	Fitted with a progressive cooling fan. Airflow increases as the Ballast temperature increases. This prolongs fan and Ballast life, as well as reducing noise.
· FINISH	Red anodised with main body colour trimmed front and back panels

For your safety the Ballast has been designed, constructed, and tested to stringent European "CE" and American UL Safety and EMC Standards.

Ordering information

Type	Order Ref	Comments
125W/200W AC MSR	125/200W AC	Standard version
125/200W AC PF MSR	125/200W AC PF	Power Factor Corrected

Accessories: Stand Lock.

Note: Specifications subjects to change without notice.



DUAL DC Ballast-125/200W

[AC Ballast 125/200W](#) | [DC Ballast 125/200W](#) | [Battery Belt](#) | [Battery Pack](#) | [Battery Charger](#)

FEATURES

- HIGHLY EFFICIENT DESIGN - Get more life from your battery.
- OPERATES FROM 20V TO 36V DC
- FLICKERFREE CRYSTAL CONTROLLED OUTPUT
- CONSTANT COLOUR TEMPERATURE
- INSTANT HOT-RESTRIKE CAPABILITY
- PRECISE POWER REGULATION FOR CONSTANT LIGHT OUTPUT
- DIMMABLE FROM 50-100% WITH CONSTANT COLOUR TEMPERATURE
- COMPATIBLE WITH DIGITAL CAMERAS
- ADVANCED DESIGN FOR MAXIMISED LAMP LIFE
- ULTRA QUIET OPERATION
- DUAL OUTPUT- Only one at a time
- REVERSE POLARITY PROTECTED
- SUPPORTS LAMPHEADS WITH OR WITHOUT ON/OFF SWITCHES
- SUPPORTS LAMPHEADS FITTED WITH SAFETY LOOP
- PROVEN AND RELIABLE DESIGN
- RUGGED, COMPACT AND LIGHTWEIGHT DESIGN

SPECIFICATIONS

· INPUT VOLTAGE	20 - 36 V DC
· INPUT CURRENT	Steady State: 100% light output 8A at 28V - 50% light output 4.5A Efficiency: nominal 90%
· OUTPUT CHARACTERISTICS	Precise power regulation to maintain constant power output, with instant hot-restrike capability. Output power can be variably dimmed up to 50% of the maximum luminous output. True square wave crystal controlled output.
· CONTROLS	ON / OFF CONTROLS The Ballast is fitted with a green ON switch and a red OFF switch. The green ON switch is indicated by an illuminated amber Power LED. An additional green LED indicates the lamp wattage connected to the Ballast. The red OFF switch turns off the Ballast. The Ballast ON/OFF switches can be utilised to remotely control the lamphead if required. DIMMING Dimming control is by means of a 270 degree turn potentiometer. Dimming is disabled after initially powering up the Ballast to enable the lamp to reach the correct colour temperature.
· OUTPUT SOCKET	Amphenol type: C 16 Series T3107-000 6+PE contacts Mating plug type: T3104-001 6+PE contacts
· CONNECTIONS	Pin 1 - Lamp, Pin 2 - Lamp, Pin 3 - Ignitor, Pin 4 - Function Pin 5 - Function, Pin 6 - Function, Pin 7 - PE. See Fig. 1.

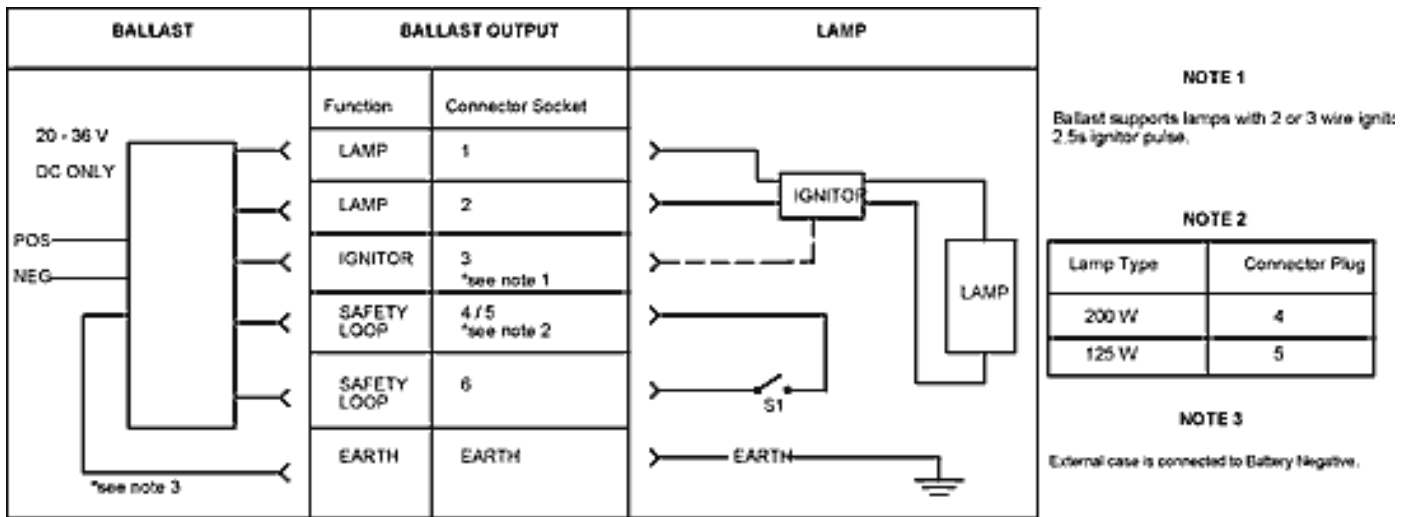


Figure 1. Ballast output connections and typical lamp configuration

· INPUT	The Ballast is fitted with a high current 2 core cable with a 4 pole XLR gold plated plug. Amphenol plugs are also available. Please specify at time of ordering. XLR Pin 1 - Neg; Pin 2 - Pos; Pin 3 and Pin 4 linked. Amphenol: A - Neg; B - Pos.
· PROTECTION	REVERSE POLARITY: The Ballast is internally reverse polarity protected. In case of the wrong connections to the Ballast, it will not turn on. CONNECTING PIN PROTECTION: To eliminate pin arcing and burning the Ballast has an internal time delay to connect power to its control circuitry. FUSE: An internal fuse protects the Ballast.
· MECHANICAL	The ballast is housed in an extruded aluminium heatsink casing. The ballast may be fitted with a "stand-lock" docking accessory to permit easy fitting to a battery or battery belt if required. Cooling is provided by means of a low noise proportional temperature controlled fan.
· DIMENSIONS	Height: 63mm (Without Stand-Lock), 78mm (With Stand-Lock) Length: 167mm with Controls (Excluding DC power input cable) Width: 130mm Weight: 1.2Kg. (With Stand-Lock)
· ENVIRONMENTAL	Operating: Temp: 0 to 35oC, Humidity: 10 to 80% no condensation. Storage: Temp: -20 to 85oC Humidity: 5 to 90% no condensation.
· COOLING	Fitted with a progressive cooling fan. Airflow increases as the Ballast temperature increases. This prolongs fan and Ballast life, as well as reducing noise.
· FINISH	Red anodised with main body colour trimmed front and back panels.

For your safety the Ballast has been designed, constructed, and tested to stringent European "CE" and American UL Safety and EMC Standards.

Ordering information

Type	Order Ref	Comments
125W/200W DC MSR	125/200W DC	Standard version

Accessories: Stand Lock.

Note: Specifications subjects to change without notice.



30V BATTERY BELT

[AC Ballast 125/200W](#) | [DC Ballast 125/200W](#) | **Battery Belt** | [Battery Pack](#) | [Battery Charger](#)

The 30V Powerbelt is part of an extensive re-chargeable range of Ni-MH and Ni-Cd batteries and DC portable power management equipment.

This is a powerful and extremely powerful robust battery for 30V operation of HMI, MSR, or Tungsten Reporter Lights. It can also be fitted with the "Stand-Lock" accessory for the DC 125/200W MSR ballast.

The battery is fitted with a special overdischarge protection device, which will cut power to the output socket once the battery has been discharged to a minimum safe level.

Overdischarge Device

A Yellow LED will flash to give prior warning that the cutoff point is close. The Red LED indicates the battery is discharged, at which stage the load should be disconnected. This cutout function is fully automatic in operation and will reset itself during subsequent recharge.

FEATURES

- AUTOMATIC OVERDISCHARGE PROTECTION TO EXTEND BATTERY LIFE
- FITTED WITH SELF-RESETTING ELECTRONIC FUSE
- UNIQUE construction reduces internal losses giving more power for your load
- RUGGED AND COMPACT
- PROVEN AND RELIABLE DESIGN

SPECIFICATIONS

· OUTPUT	30V. Available in a range of Ah capacity.
· CONNECTIONS	Output: As specified at time of ordering. Charging input 5 pole gold plated XLR socket: Pin 1 - A Neg Pin 4 - B Pos Pin 2 - A Pos Pin 5 - Temp Feedback Pin 3 - B Neg
· PROTECTION	Overdischarge protected. Power is cut to the output socket when the battery is fully discharged. Short circuit protected with a electronic self resetting fuse.
· INDICATOR LIGHTS	Flashing Yellow - Battery almost flat. Red - Battery flat.
· MECHANICAL	Long life flexible all lather construction.
· CALIBRATION	Overdischarge protection module and hour counter modules are factory calibrated. Hour counter accuracy +/- 1 count. Not user serviceable.
· CHARGING	Recharge only with Powerstation Maxi-D charger. The charging input has its own dedicated charge socket. Do not discharge through this socket! Charging time is approximately 2 - 3 hours. This time depends on the depth of discharge.
· ENVIRONMENTAL	Operating: Temp: -10 to 45oC, Humidity: 10 to 80% no condensation. Storage: Temp: -20 to 85oC Humidity: 5 to 90% no condensation.
· FINISH	Available in black leather only.

For your safety the Battery has been designed, constructed, and tested to stringent European "CE" and American UL Safety and EMC Standards.

Ordering information

Type	Order Ref	Comments
Powerbelt 30V	PB 30V NiMH / Ni-Cd	Standard version

Note: Specifications subjects to change without notice.



BATTERY PACK

[AC Ballast 125/200W](#) | [DC Ballast 125/200W](#) | [Battery Belt](#) | **Battery Pack** | [Battery Charger](#)

The **Powerlight** is part of an extensive re-chargeable range of Ni-MH and Ni-Cd batteries and DC portable power management equipment.

This is a powerful and extremely powerful robust battery for 30V operation of HMI, MSR, or Tungsten Reporter Lights (12 / 30V). It can also be fitted with the "Stand-Lock" accessory for the DC 125/200W MSR ballast.

30V Powerlight

The battery is fitted with a special overdischarge protection device, which will cut power to the output socket once the battery has been discharged to a minimum safe level.

12V Powerlight

The battery bank is fitted with a special overdischarge protection device, which will cut power to the output socket once the battery has been discharged to a minimum safe level.

Overdischarge Device

A Yellow LED will flash to give prior warning that the cutoff point is close. The Red LED indicates the battery is discharged, at which stage the load should be disconnected. This cutout function is fully automatic in operation and will reset itself during subsequent recharge.

FEATURES

- AUTOMATIC OVERDISCHARGE PROTECTION TO EXTEND BATTERY LIFE
- FITTED WITH SELF-RESETTING ELECTRONIC FUSE
- UNIQUE construction reduces internal losses giving more power for your load
- RUGGED AND COMPACT
- PROVEN AND RELIABLE DESIGN

SPECIFICATIONS

· OUTPUT	12 or 30V. 8.5Ah Ni-MH or 8A Ni-Cd
· CONNECTIONS	Output: As specified at time of ordering. Charging input 5 pole gold plated XLR socket: Pin 1 - A Neg Pin 4 - B Pos Pin 2 - A Pos Pin 5 - Temp Feedback Pin 3 - B Neg
· PROTECTION	Overdischarge protected. Power is cut to the output socket when the battery is fully discharged. Short circuit protected with a electronic self resetting fuse.
· INDICATOR LIGHTS	Flashing Yellow - Battery almost flat. Red - Battery flat.
· MECHANICAL	High impact plastic.
· CALIBRATION	Overdischarge protection module is factory calibrated. Not user serviceable.

· CHARGING

Recharge only with Powerstation Maxi-D charger.
30V The charging input has its own dedicated charge socket.
Do not discharge through this socket!

Charging time is approximately 2 - 3 hours. This time depends on the depth of discharge.

· ENVIRONMENTAL

Operating: Temp: -10 to 45oC,
Humidity: 10 to 80% no condensation.
Storage: Temp: -20 to 85oC
Humidity: 5 to 90% no condensation.

· FINISH

Main body in black or Grey. With colour trim in red, blue, green, yellow, black or white. Personalised Logo can be added.

For your safety the Battery has been designed, constructed, and tested to stringent European "CE" and American UL Safety and EMC Standards.

Ordering information

Type	Order Ref	Comments
Powerlight 30V	PL 30V NiMH / Ni-Cd	Standard version
Powerlight 12V	PL 12V Ni-MH / Ni-Cd	Standard version

Note: Specifications subjects to change without notice.



BATTERY CHARGER

[AC Ballast 125/200W](#) | [DC Ballast 125/200W](#) | [Battery Belt](#) | [Battery Pack](#) | **Battery Charger**

The **Battery Charger** has been designed to recharge virtually any NiCd or NiMH batteries at a rapid rate. Recharge time will be proportional to the depth of discharge and the Ah rating of the battery under charge. There is no need to discharge the battery before recharging.

The charger combines the latest electronic design and microprocessor control with the latest in power control technology. The result is a unique, compact, advanced battery charger capable of delivering an exceptionally high rate of charge with no fear of damage to the battery.

The charger is simple to use and virtually automatic in operation. Irrespective of the level of charge remaining in the battery, it will recharge the battery at a rapid rate, known as fast charge, until the battery is fully charged, when it will switch over to a maintenance charge. This maintenance charge will ensure the battery is ready for use at a moment's notice, 100% fully charged.

Indicator lights clearly show you the current state of charge being received by the battery as well as indicating a battery or connection fault.

The Battery charger is designed as one component in a reliable and robust battery system.

FEATURES

- FAST CHARGE WITH NO NEED TO DISCHARGE YOUR BATTERY BEFORE CHARGING
- ADVANCED DESIGN EXTENDS BATTERY LIFE
- IT CAN REMAIN CONNECTED TO BATTERY INDEFINITELY without fear of overcharging
- DIAGNOSTIC CAPABILITIES: indicator lights shows state of charge, as well as battery or connection faults
- RUGGED AND COMPACT
- PROVEN AND RELIABLE DESIGN

SPECIFICATIONS

· INPUT VOLTAGE	115V / 230V User selectable. 50/60 Hz. Universal 100-260V, 50-60Hz version available.
· EARTH LEAKAGE	<1mA
· POWER FACTOR	0.85 Power factor corrected to EN61000-3-2 Class A.
· INPUT POWER	130W
· OUTPUT RANGE	For batteries having two independent banks of Ni-Cd or Ni-MH cells. 12V -14.4V (10-12 cells), 2.4 Ah - 14Ah.
· CHARGE CURRENT	2.5A DC
· CONTROLS	ON / OFF CONTROLS The Charge is fitted with a double pole ON/OFF switch on the rear. RESET A reset button is fitted on the front panel to clear a battery fault condition. The reset function is disabled during normal charging.

· CONNECTIONS	<p>Input: AC Input via a universally used IEC power socket on rear of charger. This allows easy selection of correct AC power cable for the customer.</p> <p>Output: Battery: 5 core cable fitted with 5 pin XLR plug: Pin 1 - A Neg Pin 4 - B Pos Pin 2 - A Pos Pin 5 - Temp Feedback Pin 3 - B Neg</p>
· PROTECTION	The charger is fitted with a 2A T 20mm slow-blow 250V fuse. For UK versions, the mains plug is suitably fused. The charger also incorporates an 80oC thermal switch to terminate charge in the event of an over-temperature condition inside the charger.
· INDICATOR LIGHTS	Amber - mains in, Solid Green - fast charge Flashing Green - maintenance charge, Red - faulty battery cells, connections or excessive temperature.
· MECHANICAL	All aluminium construction. Size: LxWxH - 210 x 125 x 100 mm Weight: 2.5 kg
· CONFIGURATION	The battery charger does not rely on temperature to terminate high rate charge. For added safety the battery must be fitted with a normally closed thermostat, rated at 45 - 50 o C and connected across pin 1 and 5 of the battery output socket. It is modular in construction and can be banked together to form a multiple charge station.
· ENVIRONMENTAL	Operating: Temp: 0 to 35oC, Humidity: 10 to 80% no condensation. Storage: Temp: -20 to 85oC Humidity: 5 to 90% no condensation.
· COOLING	Fitted with a progressive cooling fan. Airflow increases as the charger temperature increases. This prolongs fan and charger life, as well as reducing noise.
· FINISH	Black anodised.

For your safety the Charger has been designed, constructed, and tested to stringent European "CE" and American UL Safety and EMC Standards.

Ordering information

Type	Order Ref	Comments
Battery Charger	PS MAXI-DBC Standard	115/230V User selectable AC input
Battery Charger	PS MAXI-D UNIBC Universal	Universal AC Input. Auto-ranging.

Note: Specifications subjects to change without notice.