



Ninehundred
Communications
Group

900 TROLLEYS SAFE SPECIFICATION



TWO WAY
RADIOS



PPE
SOLUTIONS



ECO FRIENDLY
SOLUTIONS



SITE
SOLUTIONS



SECURITY
SOLUTIONS



TRACKING
SOLUTIONS



PHONES
& DATA



WIRELESS
& VOIP

900TROLLEY SAFE SPECIFICATION

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OVERVIEW:



- 1 MAIN LIGHTS x4
- 2 SIDE LIGHTS x2
- 3 POWER CASE x2
- 4 CONNECTIONS
- 5 FRAME / HOUSING

- 6 PERMAQUIP LINK TROLLEY (not included)
Weight: 33KG (not including Permaquip Link Trolley/Power cases)
Lighting Duration: Approx. 7 hours on full charge



POWER CASE:

- Type: Lithium Ion (Li-ion)
- Nominal Voltage: 12V
- Capacity: 50Ah
- Charge Time: 7hrs
- Charger: 10A Charger
- Life: 500+ Cycles
- Weight: (lb) 11.2
- Weight: (kg) 5
- Watt-Hour (Wh): 600Wh
- Max Continuous Discharge Current: 20A
- Max Peak Current (for 10mS): 50A
- Discharge Cut-off Voltage: 8.25V
- Charging Voltage: 12.6V
- Temperature Range (charging): 0°C — 45°C
- Temperature Range (discharging): -10°C — 60°C
- Self-Discharge: <0.5% per day



CHARGER:

- 12v 10A Rapid Charger



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MAIN LIGHTS:

- **Voltage:** 12v
- **Power:** 120W (9600 Lumen)
- **IP 65 rated (waterproof / dustproof)**
- **Outstanding Energy Efficiency (comparing to halogen lights)**



SIDE LIGHTS:

- **Voltage:** 12V 24V DC
- **Colour Temperature:** 6500K
- **LED:** 24 LEDs
- **IP 67 rated (waterproof / dustproof)**
- **Luminous:** 7200lm
- **Operating Temperature:** - 40° - 80°C



CONNECTIONS:

- **Material:** Plastic & Copper & Rubber
- **Colour:** White
- **Voltage:** DC 12V
- **Installation mode:** 2 mount point
- **Item Type:** 2 x 3 Pin Plug



900TROLLEY SAFE OPERATING INSTRUCTIONS

Please take a moment to read carefully the following instructions to get the best performance from your lithium battery pack.

FEATURES

- Lightweight – approximately ¼ of the weight of equivalent capacity sealed lead acid batteries.
- Strong and robust carry case for transport and protection.
- Flat discharge curve – constant power for longer.
- Battery meter – displays battery charge status.
- Fitted with terminal posts (rated 20A), CH2F chassis mount charge / discharge socket (rated 20A), 12V socket (rated 10A), USB sockets x2 (2.1A & 1A).
- 12.6V 10A charger supplied.
- No memory effect – can be recharged after partial discharge.
- Protected against: overcharge, over temperature, over current, deep discharge and short circuit.

PRECAUTIONS IN USE

- Do not attempt to dismantle the battery pack in any way.
- Do not short circuit your battery pack – although protected it could overheat.
- Only use the charger supplied with battery pack.
- Do not use as a cranking battery or for starting an engine.
- Your battery pack will need to be charged fully before use.
- If storing your battery pack, store in a charged state. Recharge every 6 months.
- It is recommended to recharge the battery pack within 12 hours if fully discharged.
- Operating temperature (charging): 0°C to 45°C.
- Operating temperature (discharging): -10°C to 60°C.
- Excess heat will degrade the battery pack. Always store your battery pack in a cool dry place.
- Do not leave for long periods in the sun or in a hot vehicle.
- Do not immerse your battery pack in water.
- Do not dispose of in normal household refuse.

OPERATION

- The CH2F socket can be used for charge or discharge.
 - To insert the PL2M connector align the connector's slots, push forwards and then rotate clockwise until a positive click is heard and the quick lock is engaged.
 - To remove the PL2M connector rotate the connector anti-clockwise and pull away from the socket.
- Please note – the total output of all current connections must not exceed 20A.

900TROLLEY SAFE OPERATING INSTRUCTIONS

HIGHLIGHTED FEATURES

- BP2905 & BP2910 configurations pictured below. Note: BP2915 has the USB and 12V socket on the same side.

SIDE 01

- 01** 5V USB output socket x2 (2.1A & 1A).
- 02** Battery charge meter, clear illuminated digital display.
- 03** USB and fuel gauge power switch.



SIDE 02

- 01** CH2F Socket for charge / discharge (rated 20A).
- 02** + ve terminal post (rated 20A).
- 03** - ve terminal post (rated 20A).
- 04** 12V socket (rated 10A).



IMPORTANT CHARGER INFORMATION

- Only use the charger supplied with the battery pack, or an approved charger. Contact us for information on more charges
- Do not use this charger for any other purpose. It has been designed to be used with this battery pack only.

RECHARGING THE BATTERY PACK

For guidance on charging your battery pack please refer to the instruction manual supplier with your charger.

TRANSPORTATION

There are many regulations regarding the transportation of lithium batteries. Please consult IATA, guidelines, your airline or local carrier.

BATTERY METER OPERATION

IMPORTANT: The battery meter is operated with the switch. It must be operated AT LEAST 2 minutes after the load (such as a lamp) has been switched off and when the charger is disconnected. The battery will recover slightly and ONLY then will the battery meter give an accurate battery state indication.

USB OPERATION

The USB output is operated with the switch. There are 2 outputs, 2.1A and 1A. Do not leave the switch operated if the USB is not in use as this will slowly discharge the battery.

SUPPLIED WITH

- Li-ion battery pack and carry case.
- Mains Fast charger.
- PL2M plug to bare ends. 1m length (TR8305).
- Terminal post connecting eyelets.

900TROLLEY SAFE SAFETY PRECAUTIONS

When treated correctly lithium-ion battery packs are safe.

Please abide by the following points to ensure the longest lifespan and safest use of your battery:

GENERAL

Misuse of lithium-ion batteries may cause them to get hot, or ignite and cause serious injury. Be sure to take note of the points below:

- Do not heat or place the battery in fire.
- Do not short out the battery.
- Do not penetrate the battery's casing, or subject it to any forceful impact.
- Do not expose the battery to water or allow the battery to get wet.
- Do not disassemble or modify the battery. The battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, explode or ignite.
- Do not place the battery in microwave ovens, high pressure containers, or induction cookware.
- Do not connect any other power sources to the battery other than the chargers supplied with the battery pack.
- Do not link battery packs together in any way.
- Immediately discontinue using the battery if it emits an unusual smell, feels hot, changes colour, changes shape, or appears abnormal in any other way. Place the battery in a dry location outside.
- In the unlikely event that the battery catches fire, contain by applying water and cover with a fire blanket or damp towel. This should only be done when the battery is disconnected from the mains charger.
- When your battery has reached the end of its life dispose of it responsibly by contacting your local refuse centre.
- Do not dispose of in general waste.

CHARGING

Only ever use a charger specifically designed to charge your battery i.e. the charger that was supplied with your battery pack. Be sure to take note of the points below:

- Maximum charging current for all batteries is 20A.
- Do not leave your battery pack unattended whilst charging.
- Do not leave the battery charging for long periods. Always disconnect the charger from the mains and battery when the charger shows a full charge.
- When charging indoors, do not charge overnight. Ensure your home is fitted with a working smoke detector.
- Only charge the battery between 0°C and 45°C ambient temperature. Charging outside this range may cause the battery to get hot.

IN USE

Misuse of the battery may cause the battery to get hot, or ignite and cause serious injury. Be sure to take note of the points below:

- Never discharge your battery with higher current than is recommended for your model of battery.
- If the battery is to be used by small children, the caregiver should explain the contents of the user manual to the children. The caregiver should provide adequate supervision to ensure that the battery is being used as explained in the user manual. The child should not be left unattended with the battery.
- The temperature range over which the battery can be discharged is -10°C to 60°C. Use of the battery outside this range may damage the battery or effect the performance and reduce its working life.

STORAGE

Storing the battery incorrectly may cause it to get hot, or ignite and cause serious injury. Be sure to take note of the points below:

- Do not store the battery in high temperature locations. Do not place the battery in direct sunlight or leave inside a car in hot weather.
- The temperature range over which the battery can be stored is -10°C to 35°C. Storage of the battery outside this range may damage or effect performance and reduce its working life.
- Keep out of the reach of children.
- Recharge every 6 months when in storage.

TRANSPORTATION

By law lithium batteries of a higher Watt-Hour than 100Wh should not be transported on passenger flights. As such, lithium-ion batteries are not able to be transported on passenger flights. Please always contact your airline prior to travel if in doubt.

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0845 600 4 900

www.ninehundred.co.uk
sales@ninehundred.co.uk

White Rose Way | Doncaster Carr | Doncaster | DN4 5JH

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