

Choosing PAG shows others that you demand the best

# Pagbelt NMH

> Ni-MH battery belts with integral overnight chargers



## The Benchmark

For over 30 years Pagbelts have been the battery belts against which all others have been judged. Fashioned from top quality, deep moulded leather, Pagbelts have a reputation for quality and reliability.

## Quality

Designed and built under a strictly controlled quality assurance system, using quality materials and proven techniques, Pagbelts are guaranteed to give a long and effective service life even under the most demanding conditions. PAG offers a 10 year warranty for the Pagbelt's leather casing, 18 months for the cells and 2 years for the integral charger.

## Superior Cells

Pagbelts now contain the latest Ni-MH cells, specially selected for their superior quality and excellent run-time. Ni-MH technology has greatly improved since its introduction to the industry approximately a decade ago. Customers can now expect a longer cycle life, if the battery belt is always charged with the integral overnight charger.

## Integral Charger

Pagbelts incorporate a fully isolated, integral overnight charger, which is able to accept a Widerange input supply, from 90V to 250V AC, 50Hz-60Hz enabling worldwide operation.

## Over-Discharge Protection

The Over Discharge Protection (ODP) feature is an automatic low voltage cut-out facility that prevents cell imbalance, the most common cause of reduced battery cycle life.

## XLR-4 Output

Pagbelts have two XLR-4 output connectors and a 10A self-resetting thermal cut-out to protect the battery belt from accidental short circuit.



## Full Support

Pagbelt NMH has a quick release buckle and adjustable strap. 24V and 30V belts are supplied with a clip-on shoulder harness, providing added support.

# Specification

## Model Nos:

<b>9212</b>	Pagbelt NMH	12V	10Ah
<b>9213</b>	Pagbelt NMH	13.2V	10Ah
<b>9214</b>	Pagbelt NMH	14.4V	10Ah
<b>9224</b>	Pagbelt NMH	24V*	10Ah
<b>9230</b>	Pagbelt NMH	30V*	10Ah

\*Supplied with a shoulder harness.

## Cells:

Premium grade Nickel-Metal Hydride sealed rechargeable cylindrical cells.

## Voltage:

Nominal voltage 1.2V per cell.

## Capacity:

9Ah measured at the five hour rate.

## Charge Time:

Charge times will vary depending on the battery voltage and its state-of-charge.

## Over Discharge Protection:

All models incorporate the PAG ODP circuit which has been designed to prevent over-discharge of the cells, and thus extend their life.

The PAG ODP circuit will trip at the following voltages:

<b>12.0V</b>	8.5V to 9.5V
<b>13.2V</b>	9.5V to 10.5V
<b>14.4V</b>	10.5V to 11.5V
<b>24.0V</b>	17.0V to 19.0V
<b>30.0V</b>	22.0V to 24.0V

## Thermal Protection:

The output sockets become isolated if cell temperature exceeds 70°C and can be reset when the temperature falls by pressing the ODP Reset button.

## Short Circuit Protection:

The battery belt is protected against short circuit and excessive currents by means of a self-resetting protection device. Rated maximum continuous current is 10 Amperes. The protection device will allow current surges up to 15 Amperes, but will trip if a continuous current in excess of 12 Amperes is drawn.

## Output Connectors:

Twin XLR-4 sockets wired in parallel as follows:

Pin 1	Negative (-)
Pin 2	No connection
Pin 3	No connection
Pin 4	Positive (+)

## Pagbelt Construction:

Battery pouches deep moulded from top-quality full chrome hide. Connection to the Pagbelt is made via a housing injection moulded from glass reinforced nylon.

## Waist Strap:

Waist strap incorporates quick release buckle and is secured to the belt carcass.

## Operating Temperature Range:

Optimum discharge efficiency is achieved within the temperature range 0°C to +40°C.

## Weights:

Model 9212	12.0V 10Ah	2.6kg	5.7lb
Model 9213	13.2V 10Ah	2.8kg	6.2lb
Model 9214	14.4V 10Ah	3.0kg	6.6lb
Model 9224	24.0V 10Ah	4.7kg	10.4lb
Model 9230	30.0V 10Ah	5.5kg	12.1lb

## Integral Charger Specifications:

### Input Supply:

100V to 250V AC. Frequency 50Hz to 60Hz. Maximum consumption 50W.

### Input Connector:

Conforms to CEE22 and IEC 65.

### Charger Output Voltage:

40V DC Maximum.

### Output Current:

1000mA.

### Charging Indicator:

The indicator is lit when charging, and remains lit after full-charge, until the charger is disconnected from the mains supply.

### Safety:

Designed to comply with Electrical Safety Standard BS EN 60335 Part 2 Section 2.29 Class 2 (double insulated). Charger designed for indoor use only. UK mains lead fitted with I fuse to BS 1362 rated 5A.

