

Dexion | HDS Shuttle



Product overview

The Dexion HDS (High Density Storage) Shuttle is a semi-automated system designed for high density storage, increasing storage space and improving user safety as compared to Drive-In, Push-Back and Pallet Live storage systems.

The self-powered 4 or 8 wheel shuttle travels below the pallets then elevates the pallet from the support rails and carries it back and forth within the system as required.

This type of system generally suits a warehouse with a low SKU count with high stock levels. It is easily scalable, simply by adding additional shuttle units to increase throughput.

Key features and benefits

- High density storage solution that maximises warehouse space
- Makes unloading and loading more efficient with automatic sort and retrieve
- Provides a safe environment to workers and goods as compared to other high density storage solutions, by eliminating the need for forklifts to drive into the rack
- The shuttle is controlled via a simple and easy to use RF Remote Control
- Smart safety sensors ensure the shuttle avoids any obstructions in the lane
- Long lasting and fast charging lithium ion battery
- Fully compatible with Dexion racking systems
- Excellent for FIFO or LIFO operations or a combination of both
- Designed and manufactured by Dexion ensuring spare parts are readily available while being simple to service and maintain
- Other features include a fork lift magnets, fork tyne pockets and location beakers

Dexion | HDS Shuttle

Applications



- Businesses that require very dense storage of finished goods and/or raw materials
- Operations with 100% stock accessibility
- Goods that require bulk or batch distribution
- Suitable for 'pack and hold' operations where pre-picking and staging is possible especially FMCG operations
- Warehouses or DCs looking to improve space utilisation and immediately increase storage capacity

Technical specifications

| | |
|-------------------------|---|
| Number of wheels | 4-wheel or 8-wheel |
| Unload Time | 4 secs |
| Loaded Speed | 50m / min |
| Unloaded Speed | 84m / min |
| Lift Capacity | 4 Wheel: 1,500kg 8 Wheel: 2,000kg |
| Battery Autonomy | Up to 16 hours |
| Charging Time | 5 hours |
| Battery Type | Lithium Ion 48V40Ah |
| Remote Type | Radio-Frequency (RF) with WIFI option |
| Operational Temperature | Cold Room -30°C to 50°C Ambiant Room 0°C to 50°C |
| Pallet Racking System | Speedlock MK8 |

| | | |
|----------------------------|--|---|
| Safety Features | Standard: Ground Stops Back Stops Emergency Button | Add-ons: Collision sensors Tyne pockets Safety carriage Electromagnetic locking system Anti-tilting alarm Drop alarm |
| | Standard Features | Single load Single unload Continuous load Continuous unload Battery meter |
| Pallet Type | Wooden/Plastic | |
| Shuttle Dimensions (LxWxH) | 1300 x 960 x 175 mm | |



Battery Charger



Smart Battery Management Station



Remote Control

Contact

For more information on the Dexion HDS Shuttle, please contact us on 1800 100 050.

Disclaimer:

The Information contained herein is the intellectual property of Dexion. The Information is defined to include: data, text, images, specification, graphics, design details and any and all other information whatsoever contained herein. The Information has been produced exclusively for Dexion and may not be used for any other purpose. None of the information may be used, altered, edited, copied, distributed or duplicated in any way without the express written consent of Dexion. Whilst the utmost care is taken to ensure the accuracy of the information contained herein, Dexion makes no guarantee as to its accuracy. Dexion shall, under no circumstances, be liable for any costs, losses, expenses or damages which may in any way be attributable to the use or adoption of such data and/or design details. All dimensions indicated are nominal only. Dexion reserves the right to alter or amend any of the information herein, including data and design details, without prior notice.