# PSE12B SL /12N SL

## The EDGE Smart Design Pallet Stackefs

NEW!

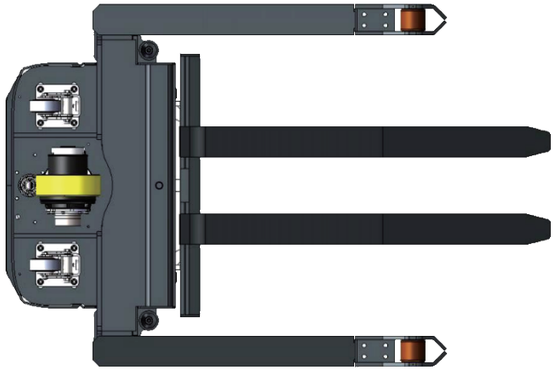

### PSE12B SL

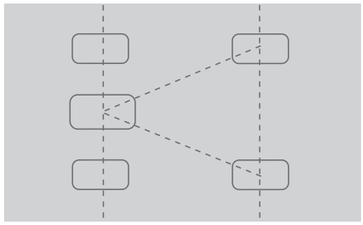
- **2600lbs/1200kg Capacity** AGM
- Perfect for light-duty applications.
- Compact & light service weight
- High maneuverability
- Maintenance-free Lead-acid Battery
- Integrated on-board 12A charger
- Ideal for use on mezzanines

### PSE12N SL

- **2600lbs/1200kg Capacity** Li-ion
- Perfect for light-duty applications.
- Compact & light service weight
- High maneuverability
- Fast-charging Li-ion batteries.
- Integrated on-board 25A charger
- Ideal for use on mezzanines
- Ultimate solution for light duty operations

## Great stability and safety with its 3-point structure design





**Chassis with 3+2-pointstructure: 1x+2/2**

- The drive wheel located in the middle for better traction and stability of the stacker.
- The support wheels with suspension are located from left and right sides and provide better lateral stability to the truck.
- Support straddle legs are equipped with single rollers.

Electric Stacker

## Maintenance Friendly

**Convenient** and fast access to any component of the truck, no elements are located in areas difficult to reach. No Special tools are required.

## Robustness and Perfect Observation

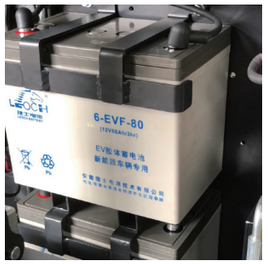
Support legs are made out of solid steel (not tube) to have enough rigidity to ensure the stability and safety.
The width of each leg is consistent which prevents possible hooking of pallets and racks when driving out from the racking system.


The operator can always clearly see the forks which significantly increases safety of operation.


## Adjustment of support legs and forks

The support legs are fixed with screws located outside of the truck' s body (4 screws for each side). The position can be easily adjusted according to the customer' s needs to achieve the overall width of the truck: 1181/ 1281 / 1381/ 1481(mm).

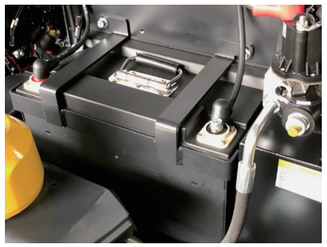
Forged forks are used for long life-time, width of forks is adjustable 252-800mm
The truck is equipped with LBR (load back rest) as standard equipment.



## PSExxB SL

2x12 85Ah (5Hr) AGM maintenance free batteries are used.
Optionally available 2x12 106Ah (5Hr).

For PSExxB SL the charger with current 12A is used
The standard charging time is 7 hours



## PSExxN SL

24V 60Ah Lithium LiFePO4 battery with BMS. Lithium battery has connection terminals with screws and located inside the steel case

For PSExxN SL the charger with current 25A is used
The standard charging time is 2.5 hours
Opportunity charging is supported

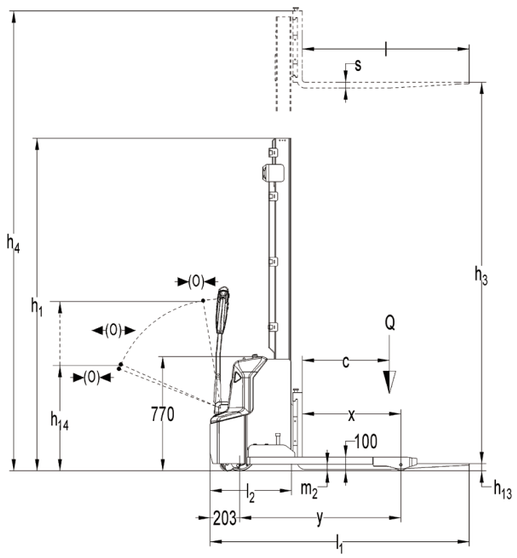
The **PSExxN SL** stacker is equipped with maintenance-free 24V/60Ah LiFePO4 type Li-ion battery with fast charging and ultra-high number of charging /discharging cycles during life time; opportunity charging feature basically does not limit your operation time. The integrated BMS provides the same features as the BMS for the batteries of pallet trucks(refer to pallet truck section) .
The on-board charger with 25A current can provide full charge for less than 2.5 hours with great efficiency.

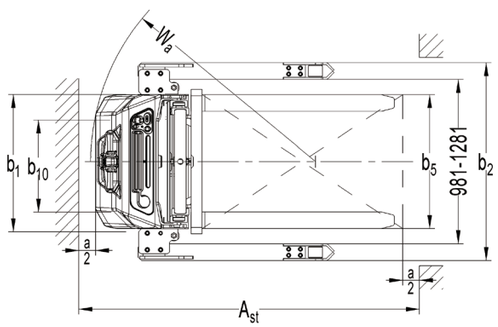
The **PSExxB SL** stacker is equipped with 2x12V 85Ah VRLA-AGM maintenance free batteries. Optionally available 2x12V 106Ah batteries for longer operation.
The stacker is equipped with 12A on-board charger. The charging time is 7-8 hours, opportunity charging is not available.

EDGE SAFETY

## Mast table PS E12BSL/PS E12NSL

| Specification | Lowered mast height $h_1$ (mm) | Free lift height $h_2$ (mm) | Lift height $h_3$ (mm) | Extended mast height $h_4$ (mm) | Lift+fork height $h_3+h_{13}$ (mm) |
|---|---|---|---|---|---|
| Mono-mast | 1940 | 1514 | 1514 | 2100 | 1600 |
| | 2340 | 1914 | 1914 | 2500 | 2000 |
| Two stage mast | 1790 | - | 2514 | 3100 | 2600 |
| | 1940 | - | 2814 | 3400 | 2900 |
| | 2090 | - | 3114 | 3700 | 3200 |
| | 2290 | - | 3514 | 4100 | 3600 |




## Type sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM

| | | | | | |
|---|---|---|---|---|---|
| Distinguishing mark | 1.2 | Manufacturer`s type designation | | PS E12BSL | PS E12NSL |
| | 1.3 | Power (battery ,diesel, petrol, gas, manual) | | 3600 Battery | |
| | 1.4 | Operator type | | Pedestrian | |
| | 1.5 | Load Capacity / rated load | Q (t) | 1.2 | |
| | 1.6 | Load centre distance | c (mm) | 600 | |
| | 1.8 | Load distance ,centre of drive axle to fork | x (mm) | 674 | |
| | 1.9 | Wheelbase | y (mm) | 1111 | |
| Weight | 2.1 | Service weight | kg | 830 | 830 |
| | 2.2 | Axle loading, laden front/rear | kg | 730 / 1300 | 730 / 1300 |
| | 2.3 | Axle loading, unladen front/rear | kg | 620 / 210 | 620 / 210 |
| Tires, chassis | 3.1 | Tires | | Polyurethane | |
| | 3.2 | Tire size,front | Φxw (mm) | Φ210×75 | |
| | 3.3 | Tire size,rear | Φxw (mm) | Φ84×93 | |
| | 3.4 | Additional wheels(dimensions) | Φxw (mm) | Φ100×40 | |
| | 3.5 | Wheels,number front/rear(x=driven wheels) | | 1x + 2 / 2 | |
| | 3.6 | Tread, front | $b_{10}$ (mm) | 520 | |
| Dimensions | 4.2 | Lowered mast height | $h_1$ (mm) | 2290 | |
| | 4.3 | Free Lift height | $h_2$ (mm) | — | |
| | 4.4 | Lift height | $h_3$ (mm) | 3514 | |
| | 4.5 | Extended mast height | $h_4$ (mm) | 4100 | |
| | 4.9 | Height of tiller in drive position min./ max. | $h_{14}$ (mm) | 710 /1150 | |
| | 4.15 | Height, lowered | $h_{13}$ (mm) | 50 | |
| | 4.19 | Overall length | $l_1$ (mm) | 1790 | |
| | 4.20 | Length to face of forks | $l_2$ (mm) | 640 | |
| | 4.21 | Overall width | $b_1$ (mm) | 800 / (1181 / 1281 / 1381 / 1481) | |
| | 4.22 | Fork dimensions | s/e/l (mm) | 40 / 100 / 1150 | |
| | 4.25 | Distance between fork-arms | $b_5$ (mm) | 252-800 | |
| | 4.32 | Ground clearance, centre of wheelbase | $m_2$ (mm) | 40 | |
| | 4.33 | Aisle width for pallets 1000X1200 crossways | Ast (mm) | 2228 | |
| | 4.34 | Aisle width for pallets 800X1200 lengthways | Ast (mm) | 2206 | |
| | 4.35 | Turning radius | Wa (mm) | 1345 | |
| Performance data | 5.1 | Travel speed, laden/ unladen | km/h | 4.2/ 4.5 | |
| | 5.2 | Lift speed, laden/ unladen | m/s | 0.11 / 0.16 | |
| | 5.3 | Lowering speed, laden/ unladen | m/s | 0.13 / 0.11 | |
| | 5.8 | Max. gradeability, laden/ unladen | % | 4 / 10 | |
| | 5.10 | Service brake | | Electromagnetic | |
| Electric- engine | 6.1 | Drive motor rating S2 60min | kW | 0.65 | |
| | 6.2 | Lift motor rating at S3 4.5% | kW | 2.2 | |
| | 6.3 | Battery acc. to DIN 43531/35/36 A, B, C, no | | No | |
| | 6.4 | Battery voltage, nominal capacity K5 | V / Ah | 2x12/85[1] | 24/60 |
| | 6.5 | Battery weight +/-5% | kg | 2x27[2] | 19 |
| | 6.6 | Energy consumption acc: to VDI cycle | kWh/h | 0.6 | |
| Additional data | 8.1 | Type of drive control | | DC | |
| | 8.4 | Sound level at driver`s ear acc. to EN 12053 | dB(A) | <70 | |

1) Option: 2x12V/106Ah; 2) 2x12V/106Ah : 2 x 34kg