

The EDGE Smart Design Pallet Stackers

PSE12B

AGM

1.2T Capacity

- 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

Li-ion

1.2T Capacity

- 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



DC24V

Smart and Ergonomic Tillers

Standard For PSE128 and PSE12N



RFID Card Access is optional for PSE12B and standard for PSE12N

RFID card provides faster access to equipment and ideal for applications when one truck needs to be used by different operators



Vertical Driving in Confined Space

The function of driving with tiller in the vertical position helps with work in confined area without sacrificing of safety.

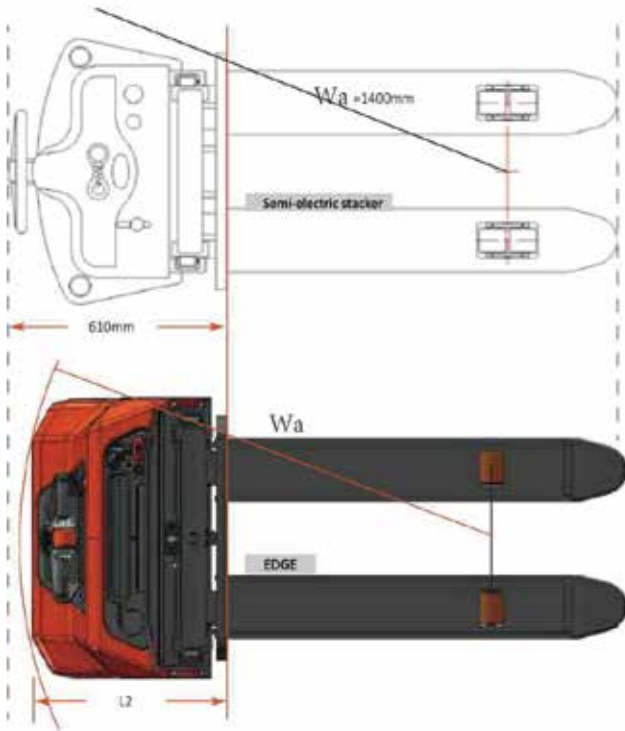


The tiller bar is supported by the air spring which helps to return the tiller to its vertical position without strike in the end point.

For increase of operation comfort and safety the trucks are equipped with speed reduction function in turns.



Smart Design with Compact Size and Perfect observation



Model	PSE12B	PSE12N
length(L2)	560mm	560mm
Turning Radius	1350mm	1350mm

Our engineers put a lot of efforts to achieve compactness of the trucks in comparison with traditionally used manual and semi-electric products without sacrificing of stability, robustness, safety and operation comfort.

Gradeability Performance

Model	PSE12B	PSE12N
Max. grade ability laden	5%	5%
Max. grade ability unladen	10%	10%



Robustness



Wide mast provides perfect observation of forks, the field of view is clear and not interrupted by mast sections, cylinder or chains.



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



Steel cover

The main cover is made out of steel with thickness 2.0mm



Tiller is made out of PA6 30% of glass fiber material, h



Capacity of 1200kg with high residual value at maximum height (load center distance 600 mm)
Real mast profiles are used for long life-time, no cheap bended solutions used. All directed to maintain performance of the truck during its life-cycle.



Welded forks are used to ensure robustness.

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.



Battery Management System CAN-bus

The BMS of battery controls charging and discharging parameters, working temperature, short circuits, has sleeping mode and is able to turn off the power in case of emergency. Communication with BMS and software adjustment is possible via CAN

Capacity	Ready	Min Volt	Max Volt
17.6%	24.50V	0mV	0mV
	0.00A	Avg Volt	Communication
		0.0mV	Normal

Realtime	Rated Capacity	60.0	Ah	Wh(Current)	0.0	Wh	Reset
	Discharge Cycle	...		Discharge Cycle	...		
	Times			Times			

Name	Value	Units
Cell Temp1	25.3	°C
Cell Temp1	25.1	°C
SOC	45	1/255
Power Temp	27.1	°C
Envir Temp	32.2	°C
Cell Volt Alarm	none	
Total Volt Alarm	none	
Current Alarm	none	
Temp Alarm	none	
Balance Alarm	none	

Name	Value	Units
Cell	3507	mV
Total	24.5	V
Current	0.0	A
Run(Wh)	0	Wh

The software diagnostic tool for lithium batteries can provide full information about the battery's condition and its current status.
(The above values are for reference only.)



The electric system is using CAN communication protocol increasing reliability of the system.



PSE12B

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

Optionally available 2x12 105Ah (5Hr).



For PSE12B the charger with current 12A is used
The standard charging time is 7 hours



PSE12N

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



For PSE12N the charger with current 25A is used
The standard charging time is 2.5 hours
Opportunity charging is supported

The PSE12N 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 lifetime; 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 PSE128 stacker is equipped with 2x12V 85Ah VRLA-AGM maintenance-free batteries. Optionally available 2x12V 105Ah batteries for longer operation.



STANDARD CONFIGURATION & OPTIONS FOR EDGE FAMILY

STANDARD CONFIGURATION OR OPTIONS	PTE12N	PTE15N	PTE20N	PTE20B	PSE128	PSE12N
Standard Battery	Li-ion 24V/15Ah	Li-ion 24V/20Ah	Li-ion 48V/20Ah	AGM 48V/20Ah	AGM 2x12V/85Ah	Li-ion 24V/60Ah
Li-ion Battery 24V/20Ah	0	5	-	-	-	-
Li-ion Battery 24V/30Ah	0	0	-	-	-	-
Li-ion Battery 24V/36Ah	0	0	-	-	0	-
AGM 2x12V/106Ah (5 Hr)	-	-	-	-	-	-
Standard Charger	24V/5A	24V/5A	48V/9A	48V/3A	24V/12A	24V/25A
Li-ion Charger 24V/5Ah	S	S	-	-	-	-
Li-ion Charger 24V/8Ah	with optional battery only	0	-	-	-	-
Li-ion Charger 24V/12Ah	with 36Ah battery only	with 36Ah battery only	-	-	-	-
Curtis controller	S	S	S	S	S	S
BMS	S	S	S	-	-	S
CAN-communication	S	S	S	S	S	S
Speed Reduction at Turning	0	0	S	S	S	S
Vertical drive/Pin wheel	S	S	S	S	S	S
Fast battery replacement	S	S	S	S	-	-
Entry Roller	S	S	S	S	-	-
Single Fork Roller	S	S	S	S	S	S
Tandem Fork Rollers	0	0	0	-	-	-
On-board charger	-	-	-	-	S	S
Stability Castors	0	0	S	S	S	S
High traction drive wheel tyre	0	0	0	-	-	-
Fork length 800/900/1000mm	0	0	0	-	-	-
Fork width 370/550/570mm	-	0	0	-	-	-
Load backrest(42/48/60")	-	-	0	-	-	-
Pin Code Access	0	S	S	0	S	S
RFID Access	0	0	S	0	-	0
LED Indicators on Tiller	S	-	-	S	-	-
LCD Display on Tiller	0	S	S	0	S	S
S=Standard	0=Optional	-not available				

Various Options (Pallet Truck)



Optional tandem fork rollers



Optional high traction drive wheel



Optional Stability Casters



Optional backrest

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1225-PSE12B/N