

# EPT15/20-EZ

## 1500kg-2000kg

### Li-ion Pallet Truck



| Manufacturer                     |       |      | iMOW         | iMOW        |
|----------------------------------|-------|------|--------------|-------------|
| Model designation                |       |      | EPT15-EZ pro | EPT20-EZ    |
| Drive                            |       |      | Electric     | Electric    |
| Load capacity                    | Q     | kg   | 1500         | 2000        |
| Load center distance             | c     | mm   | 600          | 600         |
| Service weight                   |       | kg   | 113          | 130         |
| Length to face of forks          | l2    | mm   | 400          | 430         |
| Overall width                    | b1/b2 | mm   | 695/590      | 695/590     |
| Fork dimensions                  | s/e/l | mm   | 55/150/1150  | 50/150/1150 |
| Turning radius                   | Wa    | mm   | 1360         | 1390        |
| Max. gradeability, laden/unladen |       | %    | 6/16         | 8/16        |
| Battery voltage/nominal capacity |       | V/Ah | 24/20        | 48/10       |

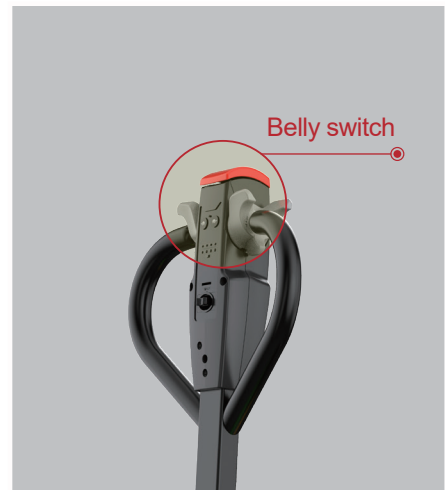
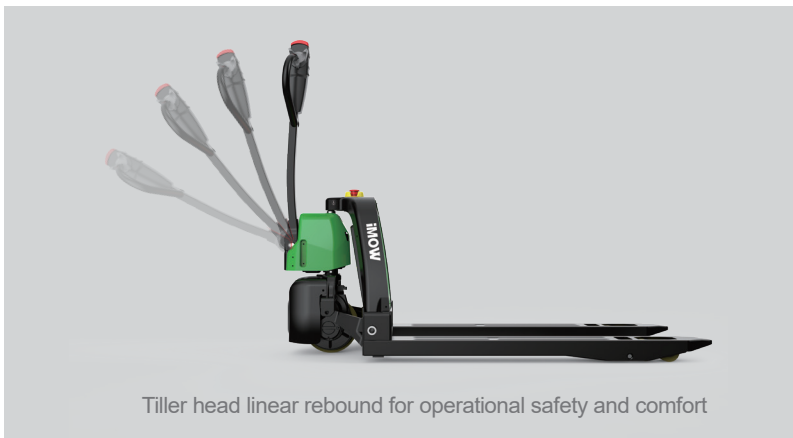
## FEATURE

### Safety assurance

- 1 Motor reversed for regenerative braking offering better safety
- 2 High torque power-off brake to keep stability on ramps
- 3 All-metal drive protective cover to comply with CE standards

### Smooth operation

- 1 Linear acceleration to meet different operation habits
- 2 Belly switch set in the middle
- 3 Wide drive wheel for better driving experience





## Easy of maintenance

- 1 Dedicated diagnostic port for easy system information retrieval
- 2 Simplified Drive Connection rather than multiple fixing bolts
- 3 The hydraulic station and cylinder are integrated into a single unit
- 4 Automatic lock handle on the Li-ion battery simplifies



## Efficient and flexible

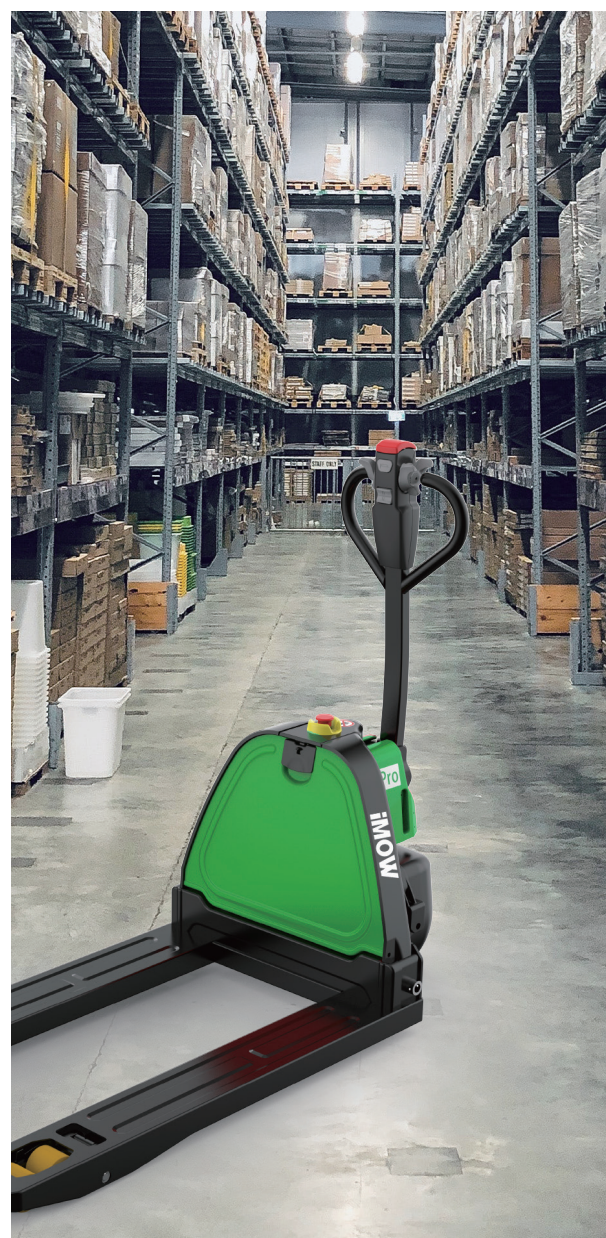
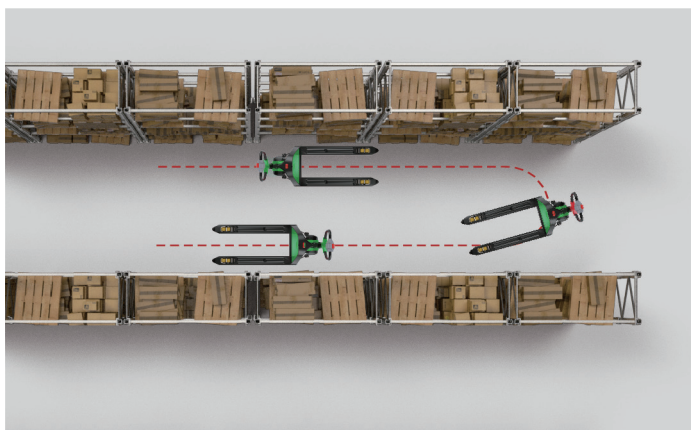
- 1 The powerful DC drive motor for great performance
- 2 Replaceable Li-ion battery for long-time operation
- 3 Lightweighted truck frame for energy saving
- 4 Compact size, small turning radius and standard turtle speed offering maneuverability in confined spaces



powerful DC drive motor



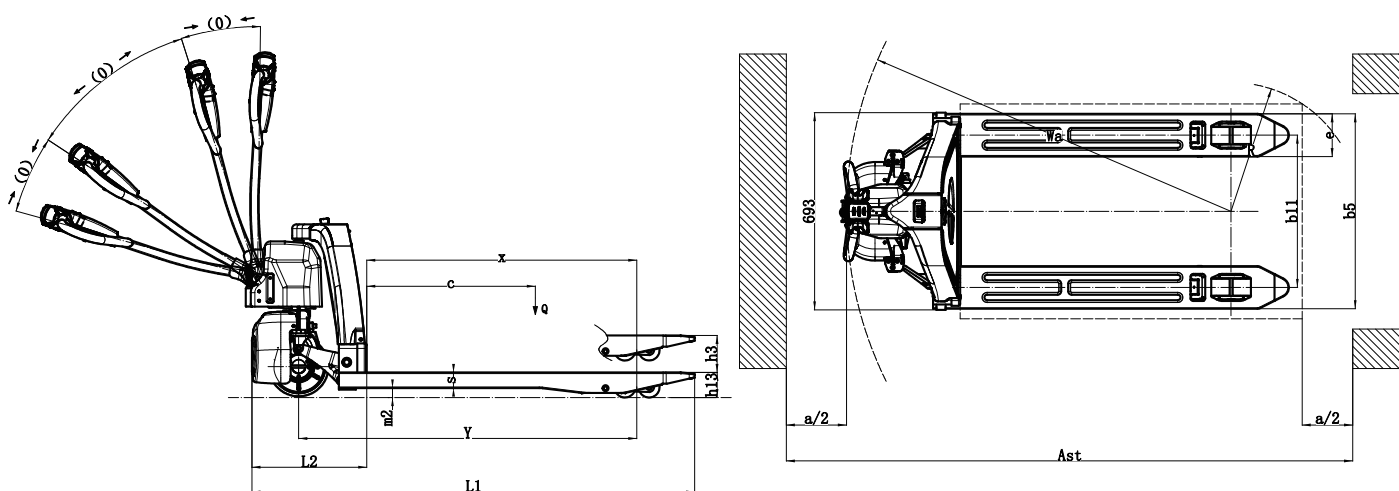
Replaceable Li-ion Battery



# 1500kg-2000kg Li-ion Pallet Truck

## EPT15/20-EZ

| Distinguishing mark  | 1.1    | Manufacturer                                        |                                |       | iMOW            | iMOW            |
|----------------------|--------|-----------------------------------------------------|--------------------------------|-------|-----------------|-----------------|
|                      | 1.2    | Model designation                                   |                                |       | EPT15-EZ pro    | EPT20-EZ        |
|                      | 1.3    | Drive                                               |                                |       | Electric        | Electric        |
|                      | 1.4    | Operator type                                       |                                |       | Pedestrian      | Pedestrian      |
|                      | 1.5    | Load capacity                                       | Q                              | kg    | 1500            | 2000            |
|                      | 1.6    | Load center distance                                | c                              | mm    | 600             | 600             |
|                      | 1.8    | Load distance, centre of drive axle to fork         | x                              | mm    | 950             | 950             |
|                      | 1.9    | Wheelbase                                           | y                              | mm    | 1180            | 1210            |
| Service weight       | 2.1    | Service weight                                      |                                | kg    | 113             | 130             |
|                      | 2.2    | Axle loading, laden front/rear                      |                                | kg    | 478/1135        | 678/1452        |
|                      | 2.3    | Axle loading, unladen front/rear                    |                                | kg    | 85/28           | 98/32           |
| Tyres/chassis        | 3.1    | Tyre type                                           |                                |       | Polyurethane    | Polyurethane    |
|                      | 3.2    | Tyre size, front                                    |                                |       | Φ210x70         | Φ150×65         |
|                      | 3.3    | Tyre size, rear                                     |                                |       | Φ80x60 (Φ74x88) | Φ80x60 (Φ74x88) |
|                      | 3.4    | Additional wheels (castor wheels)                   |                                | mm    | Φ74x30 (option) | Φ74x30 (option) |
|                      | 3.5    | Wheels, number front/rear (x=drive wheels)          |                                | mm    | 1x /4 (1x /2)   | 1x 2/4 (1x 2/2) |
| Dimensions           | 3.7.1  | Tread width, rear                                   | b <sub>11</sub>                | mm    | 535/410         | 535/410         |
|                      | 4.4    | Lift height                                         | h <sub>3</sub>                 | mm    | 105             | 105             |
|                      | 4.9    | Height of tiller handle in drive position min./max. | h <sub>14</sub>                | mm    | 750/1190        | 750/1190        |
|                      | 4.15   | Lowered height                                      | h <sub>13</sub>                | mm    | 82              | 82              |
|                      | 4.19   | Overall length                                      | l <sub>1</sub>                 | mm    | 1550            | 1580            |
|                      | 4.20   | Length to face of forks                             | l <sub>2</sub>                 | mm    | 400             | 430             |
|                      | 4.21   | Overall width                                       | b <sub>1</sub> /b <sub>2</sub> | mm    | 695/590         | 695/590         |
|                      | 4.22   | Fork dimensions                                     | s×e×l                          | mm    | 55/150/1150     | 50/150/1150     |
|                      | 4.25   | Distance between fork-arms                          | b <sub>5</sub>                 | mm    | 685/560         | 685/560         |
|                      | 4.32   | Ground clearance, center of wheelbase               | m <sub>2</sub>                 | mm    | 25              | 25              |
|                      | 4.34.1 | Aisle width for pallets 1000×1200 crossways         | Ast                            | mm    | 2160            | 2190            |
| Performance data     | 4.34.2 | Aisle width for pallets 800×1200 lengthways         | Ast                            | mm    | 2025            | 2055            |
|                      | 4.35   | Turning radius                                      | Wa                             | mm    | 1360            | 1390            |
|                      | 5.1    | Travel speed, laden/unladen                         |                                | km/h  | 4/4.5           | 4/4.5           |
|                      | 5.2    | Lifting speed, laden/unladen                        |                                | m/s   | 0.017/0.023     | 0.017/0.023     |
|                      | 5.3    | Lowering speed, laden/unladen                       |                                | m/s   | 0.035/0.053     | 0.035/0.053     |
| Electric-engine      | 5.8    | Max. gradeability, laden/unladen                    |                                | %     | 6/16            | 8/16            |
|                      | 5.10   | Service brake                                       |                                |       | Electromagnetic | Electromagnetic |
|                      | 6.1    | Drive motor rating S2 60 min                        |                                | kW    | 0.75            | 0.7             |
|                      | 6.2    | Lift motor rating at S3 15%                         |                                | kW    | 0.5             | 0.7             |
|                      | 6.4    | Battery voltage/nominal capacity                    |                                | V/Ah  | 24/20           | 48/10           |
|                      | 6.5    | Battery weight                                      |                                | kg    | 5               | 5               |
|                      | 6.6    | Energy consumption values according to DIN EN16796  |                                | kWh/h | 0.124           | 0.124           |
|                      | 6.7    | Transfer volume according to VDI 2198               |                                | t/h   | 58.5            | 58.5            |
| Drive/lift mechanism | 6.8    | Transfer efficiency according to VDI 2198           |                                | t/kWh | 471.77          | 471.77          |
|                      | 8.1    | Type of drive control                               |                                |       | DC              | DC              |
| Additional data      | 10.5   | Steering design                                     |                                |       | Mechanical      | Mechanical      |
|                      | 10.7   | Sound pressure level at the driver's ear            |                                | dB(A) | 74              | 74              |



## Option:

| No.                                       | Optional items              | EPT15-EZ pro                                                                                                           | EPT20-EZ                                                                                                               |
|-------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1.1                                       | Fork dimension              | ●1150*685○1150*560○900*560<br>○1000*560○1220*560○1350*560<br>○1500*560○900*685○1000*685<br>○1220*685○1350*685○1500*685 | ●1150*685○1150*560○900*560<br>○1000*560○1220*560○1350*560<br>○1500*560○900*685○1000*685<br>○1220*685○1350*685○1500*685 |
| 1.3                                       | Fork lowered height         | ●82                                                                                                                    | ●82                                                                                                                    |
| 1.6                                       | Drive cover off the ground  | ●55mm                                                                                                                  | ●55mm                                                                                                                  |
| 2.1                                       | Load wheel type             | ●Double○Single                                                                                                         | ●Double○Single                                                                                                         |
| 2.2                                       | Load wheel material         | ●Polyurethane                                                                                                          | ●Polyurethane                                                                                                          |
| 2.3                                       | Drive wheel material        | ●Polyurethane                                                                                                          | ●Polyurethane                                                                                                          |
| 2.7                                       | Battery capacity            | ●20AH                                                                                                                  | ●10AH                                                                                                                  |
| 2.8                                       | Charger                     | ●24V5A External                                                                                                        | ●48V3A External                                                                                                        |
| 2.9                                       | Battery indicator           | ●Without hourmeter                                                                                                     | ●Without hourmeter                                                                                                     |
| 3.3                                       | Castor wheels               | ●No○Yes and not customized                                                                                             | ●No○Yes and not customized                                                                                             |
| 3.12                                      | Buzzer                      | ●Yes and not customized                                                                                                | ●Yes and not customized                                                                                                |
| 3.16                                      | Vertical tiller Creep speed | ●Yes and not customized                                                                                                | ●Yes and not customized                                                                                                |
| Note: ●Standard ○ Optional - Inconformity |                             |                                                                                                                        |                                                                                                                        |