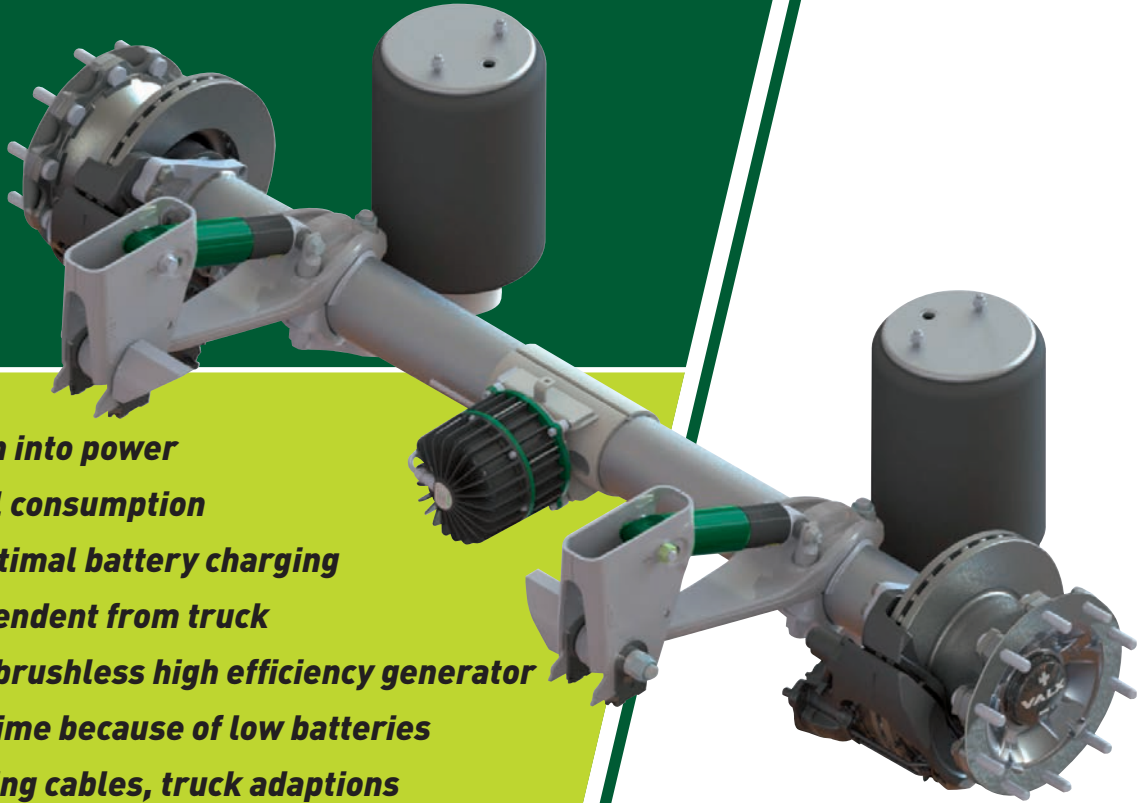




# VALX E2! ENERGY AXLE



- **Turn motion into power**
- **Reduce fuel consumption**
- **20 Amps optimal battery charging**
- **Fully independent from truck**
- **Integrated brushless high efficiency generator**
- **Less downtime because of low batteries**
- **No connecting cables, truck adaptations or long power leads required**
- **No trailer adaptations required**
- **Innovative Battery Charge Indicator Unit**

## SUITABILITY

When used for charging batteries of a typical tail lift, the following rule of thumb can be used: To compensate the power consumption of one movement of a laden tail lift up and down you will need to drive the distance of about 1.5 km at a speed higher than 20 km/h

## CHARGING SYSTEM

Suitable for all flooded lead-acid batteries. Adapted software for other types of batteries are available on request

## NOMINAL BATTERY CAPACITY

The E2! system is optimized for lead-acid batteries with a capacity of 120Ah @ 24 Volt. Smaller or larger capacities are allowed, however for charging batteries with a capacity smaller than 70Ah: please consult VALX bv



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## Technical specifications

<b>NOMINAL CURRENT OUTPUT</b>	20 Amp
<b>INCREASED CURRENT OUTPUT</b>	The nominal current output can be multiplied by adding additional E2! Power Modules in parallel
<b>VOLTAGE</b>	24 Volt nominal. Max. system voltage 28.6 Volt
<b>ALTERNATIVE VOLTAGE</b>	48 Volt nominal (2 E2! Power modules connected in series)
<b>ADDITIONAL WEIGHT</b>	17 kg (excluding cable & indicator box)
<b>MAX. OPERATING SPEED</b>	105 Km/h
<b>OPERATING TEMPERATURES</b>	-20°C to +50°C
<b>DIRECTION OF TRAVEL</b>	Operates in both directions (forward + backward)
<b>APPROVAL</b>	According to BS EN 50498:2010 (UN 10 rev.3) CE
<b>MAX. POWER INPUT AT FULL LOAD</b>	650W
<b>MAX. POWER INPUT WHEN TRICKLE CHARGING</b>	50W

### CHARGING CURRENT IN AMPERE

### WHEN EQUIPPED WITH TIRES 435/50R19.5

### WHEN EQUIPPED WITH TIRES 385/65R22.5

5 Amp	→ 17.0 Km/h	→ 19.5 Km/h
10 Amp	→ 29.8 Km/h	→ 34.1 Km/h
15 Amp	→ 42.6 Km/h	→ 48.7 Km/h
20 Amp	→ 55.4 Km/h	→ 63.3 Km/h

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