



/ Electric Power Core EPC Series

READY, STEADY, SWAP!

Integrate efa's EPC on your machines
and switch to continuous efficiency

/Integrate endless efficiency

A compact and rugged all-in-one solution to electrify your mobile machines instantly, with swappable batteries to ensure continuous operation.

- **From 2.4 to 6.0 kW** - The EPC Series meets the power requirements of light and heavy machines to electrify your current product range all at once
- **Plug & play** - B14 standard coupling, other couplings on request
- **No limits** - Swappable batteries allow continuous operation
- **Machine upgrade** - Zero noise, zero pollution, zero maintenance
- **Knowledge transfer** - efa is your competent ally in your electrification projects



/Electrification pays off!

Electrification with the EPC Series is a sustainable investment in the future:

- Robust technology
- Zero emissions
- Low cost of ownership

/A wide range of application types



Motor

- Integrated or split from EPC for full integration flexibility
- 3-phases motor, brushless, no maintenance, high efficiency
- Applicable to all kinds of machines and pumps

Motor controller

- Accurate speed and torque control
- Ensures system efficiency
- Overheating protection

Swappable Lithium Battery

- 48 V, 1.5 kWh
- Withstands extreme conditions
- Easy battery swap
- No quiescent current

Keypad

- On/Off EPC
- Direction of rotation
- Speed
- Boost for torque and speed
- 12V auxiliary power outlet
- Customisable icons

Display

- Battery charge indicator
- Operating hours counter
- Status messages for quick troubleshooting

12V auxiliary power outlet

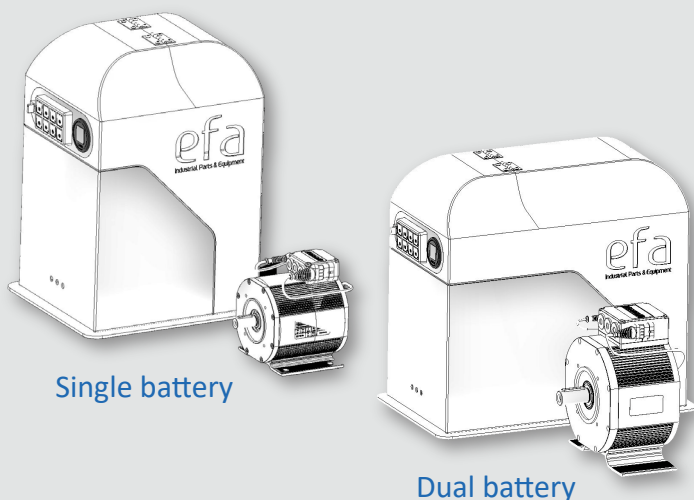
- For small devices load & run
- Socket for lightning or any other electrical equipment

Connection to machine

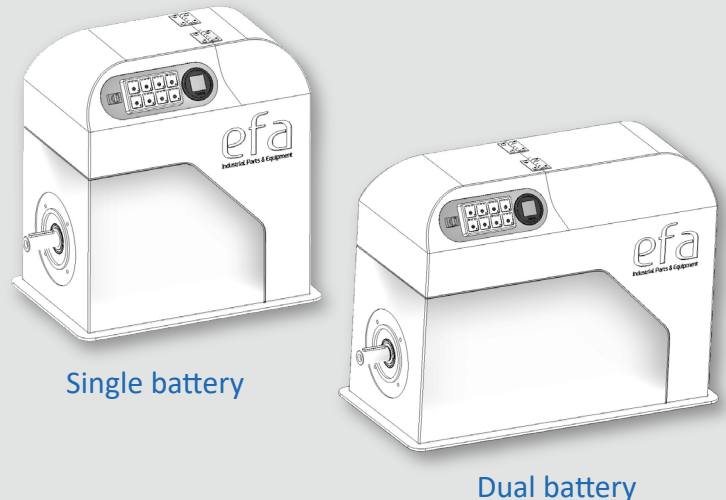
- B14 standard coupling



/ Split version



/ Integrated version



/Technical specifications*

	EPC 2.4	EPC 3.5		EPC 6.0
Nominal power (@3000/3500 rpm)	2,4 kW	3,2 kW	3,5 kW	5,5 kW/6 kW

MOTOR

Motor type	Integrated	Split	Integrated	Split	Integrated	Split
Coupling	B14-100	B14-80	B14-100	B14-80	B14-100	

MOTOR CONTROL

Speed selection	2000 to 3500 rpm					
Direction of rotation	Clockwise or Counterclockwise					
Regenerative braking	Yes					
Soft start	Yes					
Motor & controller overheating protection	Included					

BATTERIES

Number	1		1		2	
Technology	Lithium					
Tension	48V					
Autonomy at rated power	26 min.	31 min.	24 min.	22 min.	27 min.	25 min.

DIMENSIONS AND WEIGHTS

EPC dimensions (LxWxH)**	450 x 300 x 450 mm	450 x 300 x 450 mm	600 x 300 x 450 mm			
EPC weight with batteries	47 kg	25 kg	42 kg	25 kg	63 kg	45 kg

*Preliminary datasheet

**Motor shaft not included

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