

Mobile E-Power For sustainable transport





Summary & more information

No matter where you are on your journey to increase E-mobility in construction vehicles, ABB can help make it a smoother ride.

To learn more about how we can support you, get in touch with us at . . .





ABB products For sustainable transport



Standard Building Blocks

To build flexible electrification topologies in LV applications





Compact, permanent magnet synchronous motors for high efficiency propulsion and auxiliary usage. Configure your motor with specific lengths, windings and voltages to get your needed performance.

- Power levels from 20 to 520 kW
- Speed range up to 8000 rpm
- Four different frame sizes

AMXE132 up to 600 Nm AMXE200 up to 1900 Nm

AMXE160 up to 1000 Nm

AMXE250 up to 3300 Nm

Shaft and flange dimensions in wide range available. As a further advantage, the motor shaft and the flange can be selected to fit already existing interfaces.



SCAN HERE for more detailed information

HES880 Mobile drive

Compact and rugged, the HES880 drive has been designed specifically to work in electric powertrains in applications like construction equipment vehicles.

Features and benefits include:

- Inverter for traction motor and generator up to 510 kW continuous and up to 760 kW peak electrical power
- Three different frame sizes with voltage from 320 to 750 VDC - 350, 600 and 900 A as maximum currents
- Bi-directional line converter for grid connectivity
- DC/DC converter for battery, super capacitor or fuel cell, up to 620 kW
- The same module can be used as a line converter, motor inverter or DC/DC converter
- Easy to install, only plug connectors
- Safe torque off (STO) as standard, integrated braking chopper as option





SCAN HERE







Low-temperature operation Excellent performance



Battery management system Integrated supervision



Compact and light-weight Designed for all applications



Safe

HIGHEST SAFETY

By design and

cell selection

Flexible MULTI-PACK PARALLELING Flexible capacity



80% RAPID CHARCING Charcing in less than 10 min



>20.000 LONG LIFE Over 20.000 cycles



Plug & play EASY CONNECTIVITY Simple installation

Go electric It makes good environmental and financial sense



Total Cost of Ownership



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