Pelican EV
Charging Solutions

e-Tipper Grab



Introducing the first e-Tipper Grab drive system developed for the UK market. Our innovative system allows electronic tipper grab arm drive through an electric motor, meaning the engine can be switched off once on site and ready to collect or deliver a load.

This Electric PTO Hybrid System is a high-performance solution designed for commercial and municipal vehicles, helping to reduce engine idling, lower fuel costs, and minimise emissions while delivering reliable and efficient PTO operation. With a 90kWh battery system mounted to the chassis, the grab can work at full power for around 6-7 hours.

Benefits of the Pelican EV E Tipper Grab:

- Up to 7 hours operation under normal working conditions
- 90.24kWh LiFePO4 battery system
- 47kW electric motor driving the hydraulic pump
- Automatic engine start/stop and self-charging function
- Reduced engine idling, fuel consumption and emissions
- Quiet operation ideal for urban environments
- Real-time vehicle and battery monitoring

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BATTERY

BatteryType	LiFePO4
Rated voltage	521.64VDC
Cell	173Ah
Capacity	90.24kWh
Rated charging current	173A
Rated discharge current	173A
IP Rate	IP68



GENERATOR

Rated voltage	540VDC / 380VAC
Rated power	52kw
Peak power	73kw (30s)
Rated torque	330Nm
Peak torque	700Nm (30s)
Rated rotational speed	1500rpm
Peak rotational speed	3500rpm
Generation cooling method	Liquid cooling
IP Rate	IP68
Weight	65kg

MOTOR

Rated voltage	540VDC / 380VAC
Rated power	47kw
Peak power	78kw (30s)
Rated torque	300Nm
Peak torque	800Nm (30s)
Rated rotational speed	1500rpm
Peak rotational speed	2200rpm
Generation cooling method	Liquid cooling
IP Rate	IP68
Weight	34kg

Scan the QR code for more information

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