

PHEV-120 Specifications

ELINTA MOTORS PHEV-120 V.2.0 2019-01-07



Intelligent

Intelligent Plug-In Hybrid Electric Vehicle senses the green zones using GPS and automatically switches to pure electric mode.

Efficient

The hybrid control unit coordinates the electric motor with the diesel engine. In combined mode fuel consumption is reduced up to 70 %.

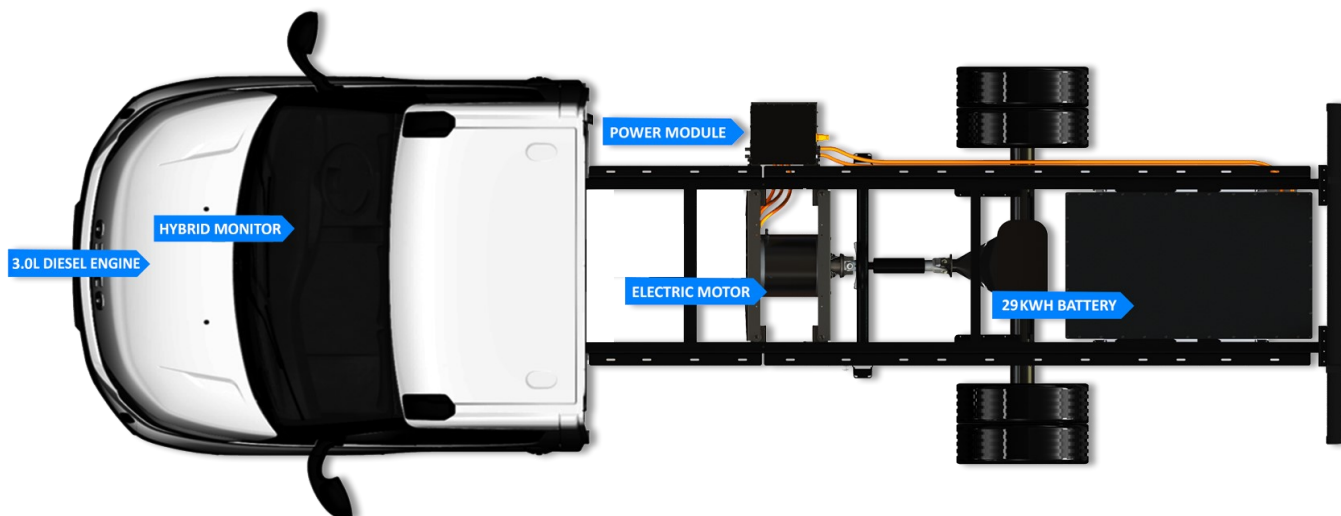
Features

- Heavy duty PHEV system
- 50-70 km in pure EV mode
- Up to 7.2t version, M3, N2
- No gears/clutch in EV mode
- 1150 Nm in EV mode
- Less noise and vibrations
- Massive low-end torque
- Unlimited range
- Online fleet management

Performance	EV Mode	PHEV Mode
Power	160 Hp	260 Hp
Torque	1150 Nm	1400 Nm
Top speed	80 km/h	90-100 km/h
Range	50-70 km	Unlimited

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User Interface



7" Touchscreen is integrated seamlessly into original front panel. Driver can see energy efficiency, fuel consumption, control hybrid driving modes, climate system.

Interface provides system status, charging information, energy use.

Following driving modes are available:

- EV MODE** – Pure electric traction
- POWER MODE** – Depletes battery
- SAVE MODE** – Maintains battery capacity
- CHARGE MODE** – Charges battery

Powertrain

Motor Type	LCM-200 ACIM
Drive Type	Direct Shaft
Efficiency	92.8 %
Cooling	Liquid
Drive System	120 kg
Battery Weight	265 kg

Capacity	29 kWh
Voltage	400 V
Cell Type	LiFePo4 Prismatic
Charger Power	6.6 kW / 32A
Charging Time	5 hours
Battery Lifetime	3000 cycles / 80%

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Climate

Automatic climate control is integrated with 4 kW electric heater and 4.5 kW efficient high volt-age powered A/C unit. Optionally – Webasto diesel heater is available for cold climate areas.



Van Base vehicle



Model	Iveco Daily 56C15
Wheelbase	4100L
Engine	F1C - 156 Hp E6
G.V.W.	5000 kg - 5600kg
Fuel Tank	70 L
Rear Axle	4.556
Gearbox	Manual
Wheels	Dual
Length	7629 mm
Cargo Size	1740x2100x5125
Cargo Load	2200 kg - 2600 kg
Cargo Capacity	20 m3

Chassis Cab Base vehicle



Model	Iveco Daily 70C15
Wheelbase	4100 mm
Engine	F1C- 156 Hp E6
G.V.W.	7000 kg
Fuel Tank	70 L
Rear Axle	5.13
Gearbox	Manual
Wheels	Dual
Length	6953 mm
Max Body Size	2100x1800x4495
Cargo Load	3200 kg - 4000 kg
Cargo Capacity	-