



KIWI POWER · 48V DRIVE SYSTEM · PATENT PENDING

DROP-IN 48V POWER. FOR COMPACT MACHINES.

48VDC

SYSTEM VOLTAGE

1.0-1.5 kWh

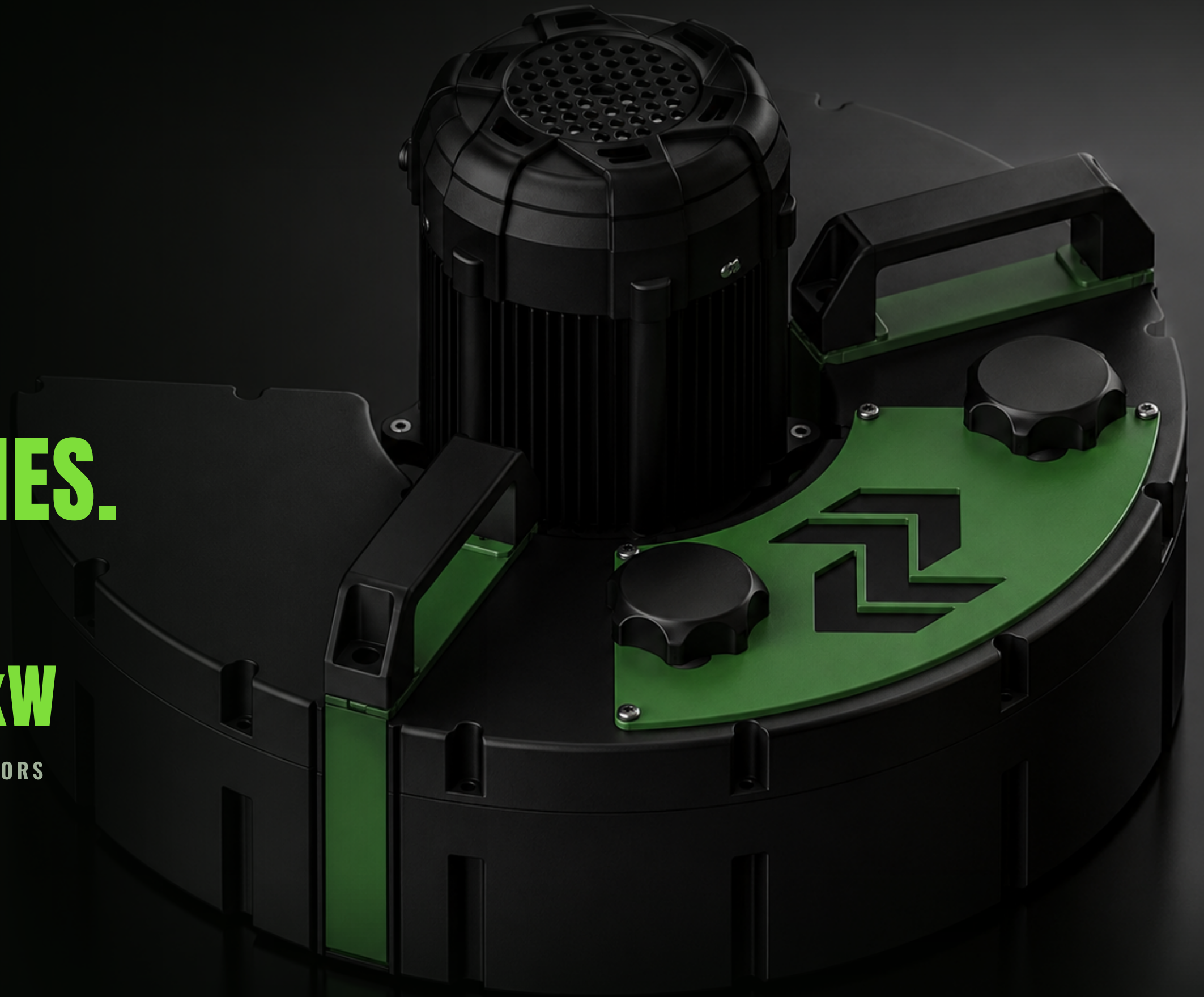
BATTERY PACKS

1.5 kW

DRIVE MOTORS

NOW ONBOARDING PILOT OEM PARTNERS

kiwidrivesystems.com · info@kiwidrivesystems.com





SYSTEM SPECIFICATIONS

MOTORS & CONTROLLER

MOTOR - 1.5 KW - 1500 RPM

RATED SPEED	1500 rpm
RATED CURRENT	34 A
MAX DC CURRENT	50 A
RATED POWER	1500 W
PEAK POWER	2400 W
RATED TORQUE	9.8 Nm
PEAK EFFICIENCY	94%
WEIGHT (APPROX.)	6.5 kg

MOTOR - 1.5 KW - 3000 RPM

RATED SPEED	3160 rpm
RATED CURRENT	34 A
MAX DC CURRENT	50 A
RATED POWER	1500 W
PEAK POWER	2400 W
RATED TORQUE	4.5 Nm
PEAK EFFICIENCY	94%
WEIGHT (APPROX.)	6.5 kg

CONTROLLER

CONTROL	Sine-wave FOC, CAN based
RATED VOLTAGE	48 V (40–60 V)
SYSTEM RATING	1500 W · 2400 W peak
COMMUNICATION	CAN, BMS-linked

BATTERY PLATFORM · HORIZONTAL OR VERTICAL MOUNTING

BATTERY - 1.0 KWH

IN DEVELOPMENT

CHEMISTRY	LFP
SYSTEM VOLTAGE	48 VDC
RATED CURRENT	25 A
COMMUNICATION	CAN based

BATTERY - 1.5 KWH

AVAILABLE FOR EVALUATION

CHEMISTRY	LFP
SYSTEM VOLTAGE	48 VDC
RATED CURRENT	40 A
MAX CURRENT	50 A
COMMUNICATION	CAN based

HYBRID POWER MODULE

OPTIONAL · IN DEVELOPMENT

Battery + mains operation

Continuous uptime

Bridge to full battery adoption

MAX DC CURRENT AND PEAK POWER LIMITED BY BATTERY OUTPUT (50 A, 1.5 KWH PACK)

PRELIMINARY SPECIFICATIONS · 3D MODELS AND DRAWINGS AVAILABLE ON REQUEST · info@kiwidrivesystems.com

ONE SYSTEM · ONE PARTNER · AS MUCH SUPPORT AS NEEDED

SUPPORT AVAILABLE AT EVERY STEP.



1 CONCEPT

We start from the goal: which machine, what it must deliver, and whether the platform fits.

2 ENGINEERING & DESIGN

Mechanical integration, gearbox selection (standard 1:10 or direct drive) and the CAN interface. Where needed, the pack is adapted to the machine.

3 PROTOTYPING

Evaluation kit: motor and controller sample sets, a form-and-weight pack dummy, and a working pack demo at Kiwi or supervised on site.

4 TESTING & TUNING

We help get the system running on the prototype and tune it until it performs.

5 PRODUCTION & SUPPLY

Series supply of packs, motors and controllers from our EU hub. Pack certification (UN 38.3, CE) is our responsibility; test reports and declarations ship with every batch.

WHY KIWI

Born from floor-machine builders, we know sanding and grinding from the inside. We help integrate motor, pack and controller into the machine design: experience that prevents avoidable mistakes and shortens development. Production of the machine itself stays with the OEM.



Kiwi proof-of-platform prototype

LAUNCH PARTNERS

For OEMs that develop a first machine with us.

Bring full-power cordless to the mid-size class first

Category exclusivity for an agreed period

First in line for evaluation kits and engineering support

ONE PLATFORM FOR THE WHOLE RANGE · EVALUATION SLOTS Q4 2026