

# PULSEKRAFT

Invest less. Get more out of your ESP.



# Give your **ESP** the power to do better

To comply with ever tougher emission requirements—and save money doing it—PulseKraft is precisely the power supply your ESP needs.

PulseKraft with micropulse technology joins an already unique portfolio and complements our single, three phase and high-frequency SMPS options.

**Here are two reasons why this is good news for your business:**

1. You can reduce your emissions far below legal demands, which is good for your business—and the planet we live on.
2. You get a customized power supply solution that minimizes your investment while delivering all the power you need to run a successful business.





# Our new power supply is a **unique solution**

PulseKraft, the latest premium power supply from KraftPowercon, will bring new life to your electrostatic precipitators (ESP). It simply ensures an outstanding performance when it comes to reducing both high and low resistivity dust.

The secret behind the output characteristics of PulseKraft is a combination of two different power supplies—DC and pulse. This enables high voltage peaks and high pulse current, a low ripple, a pulse repetition frequency of 2-100Hz and increased voltage peaks.

Compared to earlier generations of power supplies, PulseKraft comes with a new technology and a dedicated DC power supply. It offers a higher DC current, shorter pulse length (80-90 us) and is considerably stronger (60kV DC & 80kV pulse (140kV) and 1000mA).

All this makes PulseKraft a formidable enemy to both low and high resistivity dust. Among its operational benefits, you can expect increased efficiency, lower power consumption, high fuel compatibility—and a chance to reduce your emissions way more than before.

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Despite being packed with so much great stuff, our solution is considerably lighter than the competition.

Output DC Voltage: 60 kV  
Output DC current: 1000 mA  
Output peak voltage: 140 kV



# 8 ways that PulseKraft will better your operations

## 1 Higher efficiency and improved reliability

With its new technical features and functions PulseKraft improves efficiency and reliability.

## 2 Lower costs and higher profits

A lower initial cost, reduced power consumption and higher uptime—PulseKraft gives you every chance to run a better business.

## 3 A wider range of DC currents

You can choose between a low DC current supply to effectively tackle high resistivity dust or a higher current to beat low resistivity dust.

## 4 Better usage of the ESP area

The high voltages peaks of PulseKraft is great news as the corona distribution on the discharge electrodes increases.

## 5 Favorable voltage pulses

Thanks to needle shapes, the spark over level increases, while the short pulses with narrow peak voltages prevent back corona in the dust layer.

## 6 Excellent fuel compatibility

Naturally, PulseKraft ensures that your ESP set-up meets any emission requirements regardless of fuel used.

## 7 Takes good care of your ESP

The back-corona detection function and smart response combined with spark, voltage and current mode controls keep your ESP in great shape.

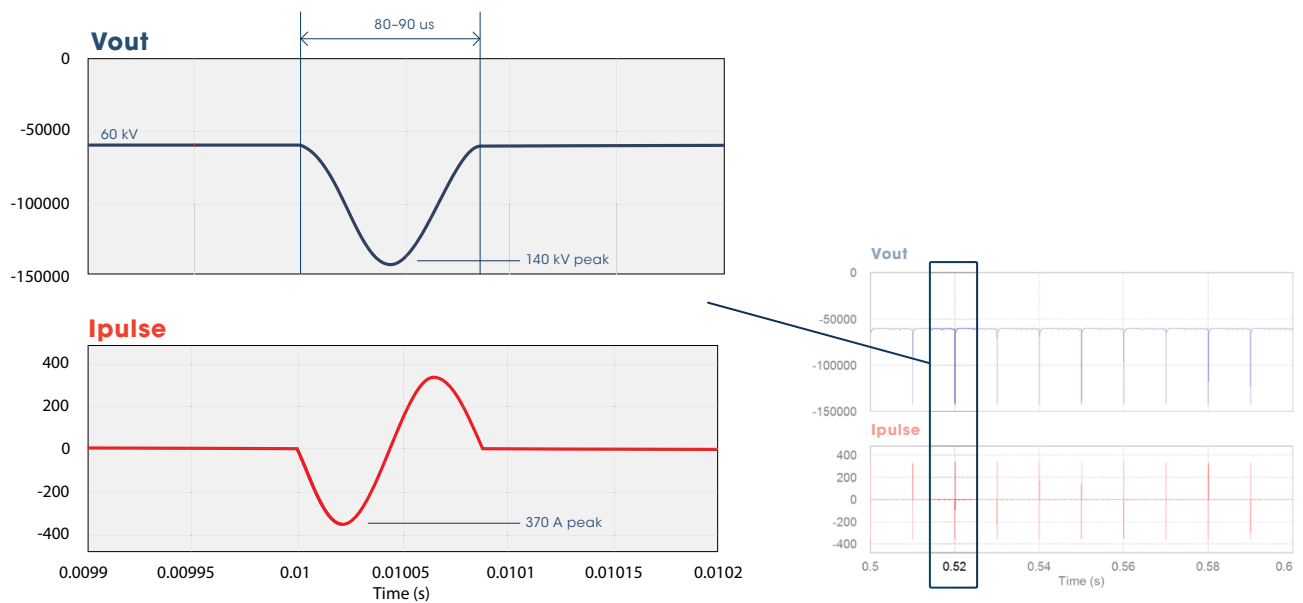
## 8 You are in full control

The PulseKraft controller lets you control, run, adjust and supervise the power supply of your ESP. And with ViewKraft, you can monitor everything remotely in real time.



# Facts, numbers and graphs **that speak for themselves**

## Performance study



## Technical data

Mains Input Voltage	3x 380/400/415V +/-10 %
Frequency	50 /60 Hz +/-5 %
Input Current	142/135/130 A
Input Power:	93 kVA
Output DC Voltage	60 kV DC
Output DC Current	1000 mA
Output Pulse Voltage	80 kV
Output Peak Voltage	140 kV
Output Pulse length:	80-90 us
Efficiency	≥ 94%
Nominal ESP Capacitance	80—120 nF
IP Class:	CC IP31 / MP tank IP65
Ambient Temperature	-40 ... +40 C (option +50 C)
Pulse Unit Tank Weight	1900kg

**Ready to reduce emissions?  
Get the power you need from us.**

To find out how PulseKraft will revolutionize your operations, please visit [kraftpowercon.com](http://kraftpowercon.com).





# KRAFT POWERCON

KraftPowercon, established in 1935, is a global company with production in Sweden, China and India. Our innovative solutions, products and services within industrial power supply secure processes and provide a number of business benefits to our customers. We work actively towards eliminating waste and taking care of the scarce resources of our world, while improving the performance and efficiency of our products and solutions. This to fulfil our brand promise—we won't let you down.

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