

SmartKraft 2

Now even more power to clean the environment





A power boost for your ESP

The new SmartKraft 2 is a power boost for your ESP. It has long been one of the most efficient ESP power supplies in the market. Now, with even higher output power and the MicroKraft4 (MK4) controller, SmartKraft 2 is in a league of its own.



More efficient with MK4

Upgraded with MK4 – the most advanced controller to date – SmartKraft 2 is now even more efficient. MK4 automatically adjusts the power level to load changes, which helps to reduce stack emissions and lower operational costs. Now industrial plant owners can trust their ESP to perform optimally at all time, without worrying about manual intervention.

SmartESP™ – an autopilot for your ESP

Simply set the performance you want and SmartESP will maintain it during operation by automatically adjusting the power to load changes – optimizing power consumption.



Compact design

SmartKraft 2 has a high power density. Weighing less than 750 kg, yet featuring a small and compact design, it gives you the power you need – without taking up costly space.



Reduce emissions or reduce dimensions?

Reduce your ESP's dimensions while retaining the purification levels. Or, maintain the dimensions and increase the purification effect. Your choice.



A truly smart investment

SmartKraft 2 boosts the performance and efficiency of your ESP so much it is equivalent to adding one or more chambers. A truly smart investment for your plant.



Made in Sweden

SmartKraft 2 is designed and manufactured in Sweden, renowned for its high quality and reliability in industrial products.



YOUR MOST ENVIRONMENTALLY FRIENDLY CHOICE!

Tougher legislation forces you to reduce emissions even more. SmartKraft 2 lets you meet and exceed tomorrow's purification demands, while reducing power consumption.

To find out more, visit
KRAFTPOWERCON.COM



Higher power level

SmartKraft 2 operates close to the margin. That's why it gives you more power than any other ESP power supply.



IoT support

Easy communication with your DCS using any industrial communication protocol without external converter. Monitoring and control, and even trouble shooting and data analyzing, via Internet or LAN.



No extra PLC needed

With MK4's Soft PLC IO function, there is no need for an extra PLC – further reducing the cost of investment for your ESP upgrade.



FEATURES AND BENEFITS

NEW	More SmartKraft 2 models now available	All in one, compact and lightweight
NEW	SmartESP™: Automatic control of ESP power supply parameters	Increased charge on particles and high efficiency
NEW	V/I graph	Intermittent energization mode
NEW	Simple oscilloscope function	Spark control
NEW	Bootloader and upgrade of firmware via USB	Back corona control
NEW	Remote monitoring via Internet	Rapper control
NEW	Support of most industrial communication protocols for remote control function	Control mode for both voltage and current
NEW	Datalogger	Support of any language by request
NEW	Export data, setting parameters and oscilloscope waveform to the flash memory	CO and voltage reduction
NEW	SoftPLC/DAQ function, no limit to number of customized IOs	Opacity control
NEW	Individual program can be saved for different settings	



Grounding switch option for both connecting / disconnecting function.

KRAFT POWERCON

KraftPowercon is a global company with production facilities in Sweden, China and India. We offer innovative solutions, products and services within industrial power supply that secure your processes, and give you a number of business benefits. We are a fast-moving industrial company and a learning organisation working towards eliminating waste and taking care of the scarce resources of this world, while constantly improving the performance and efficiency of our products in order to fulfil our brand promise: we won't let you down.

TECHNICAL DATA

	TYPE															UNIT		
Controller type	MicroKraft 4																	
Typical output voltage (other available on request)	90					80					70					kV DC		
Typical output current (other available on request)	2000	1800	1600	1200	800	400	2200	2000	1800	1600	1200	800	2200	2000	1800	1600	1200	mA DC
Output power	180	162	144	108	72	36	176	160	144	128	96	64	154	140	126	112	84	kW
Input line voltage / frequency	3x400 V ± 10% / 50 Hz ± 5% (option: 3x 380, 415, 440 or 480 V / 50 or 60 Hz)															V AC		
Input line current	313	283	253	193	133	73	307	280	253	226	173	119	270	247	223	200	153	A AC
Input line frequency	50 / 60 ± 5%															Hz		
Input apparent power	213	192	172	131	90	50	209	190	172	154	118	81	184	168	152	136	104	kVA
Efficiency	> 0.93 @ rated output power																	
Operating frequency	24															kHz		
Cooling	Forced oil/air cooling																	
Height	1975 / 77.75															mm/in		
Width	826 / 32.5															mm/in		
Length	1525 / 60 incl. HV Bus Duct															mm/in		
Weight	580 / 1279															kg/lb		
Ambient temperature	± 40 (option: +50)															°C		
Degree of protection	IP 56																	
EMC conformity	EN 61000-6-4:2007, EN 61000-6-2:2005																	
LVD conformity	EN 50178:1997																	
Communication standard	RS 485 Modbus RTU (others available as option)																	
MK4 Touch Panel	Standard : inside the Cabinet (Option: On the cabinet door for Ambient temperature -10...+40°C if SmartKraft is placed indoor or under roof)																	

● New in SmartKraft 2