

PPuls Extended

Controller for hotpresses and vulcanizers

Features at a glance:

- Easy handling and transportation through roughened industrial design and small handheld size
- User friendly operation with self-explanatory menu system (no expertise required)
- Storage and change of welding recipes within seconds
- Fully automated vulcanizing & cooling cycle
- 3rd external temperature probe
- Real time data logging & diagnostics functions



Result

- Fully automated welding process guarantees highest welding quality and leads to an increase of your productivity.
→ Your choice from medium to large single segment presses!

Functions of the PPuls Extended Standard Version

- Vulcanizing and cooling cycle settings (set temperature platen 1 and platen 2, dwell time, end-cycle cool down temperature)
- PID-regulation for temperature control (overshoot less than 1°C)
- Memory storage for 200 different recipes
- Standard languages: German, English, Spanish
- Adjustable settings:
Type temperature probe, °C or °F, vulcanizing temperature settings in seconds or hours/minutes/seconds, password protection, acoustical warning set point, maximum temperature difference for heating platen, display temperature or power output,...



Additional functions of the PPuls Extended Xpert Version:

- Real-time data logging of temperatures, times, recipes and other parameters provides fast troubleshooting for splices and the ability to certify the quality of the splice.
- Gradually heating-up in steps (up to 8 steps possible)
- Recipe databases can be created and downloaded to the controller via USB using the PPuls PC software.
- Diagnostics data in case of failures to speed-up troubleshooting on press (e.g. defect individual heating elements, wrong PID parameters,...)
- External needle temperature probe to measure 3rd temperature point directly in the belt splice area for most exact temperature indication. Needle temperature probe available as accessory for the PPuls Extended Controller (Order No. : FBEC15 or FBEC19).
- The corresponding PPuls Software for this functions is included with the Xpert version.



Available as OEM Version with your brand!

Made in Germany

Technical specification:

Operating voltage:	90V - 230V L to N / 3 phase resp. 155V - 400V L to L
Output current per heating platen:	max. 16 A** (L-N, to 230 V) all Extended max. 9 A (L-L to 400 V) PPuls Extended 16 A max. 16 A** (L-L to 400 V) PPuls Extended 32 A
Output voltage:	max. 400V (depending on operating voltage)
Output current cooling pump:	max. 5A
Temperature probe:	RTD PT100, Thermocouple Typ K, J
Certification:	CE

** max. 15 min at 100% duty cycle

Versions and scope of delivery

PPuls Controller, Version Extended Standard 16 A


 7,2 kW* @ 400 V

- Controller Standard with power plug (CEE 16 A)
- Instruction manual
- max. 9 A (L-L to 400 V)

Description
PPuls Controller Extended Standard 16A

Order No.
FBEC7

PPuls Controller, Version Extended Xpert 16 A (from Q1/2012)


 7,2 kW* @ 400 V

- Controller Xpert incl. power plug (CEE 16 A)
- PC Software + USB Data cable
- Instruction manual
- max. 9 A (L-L to 400 V)

Description
PPuls Controller Extended Xpert 16A

Order No.
FBEC8

PPuls Controller, Version Extended Standard 32 A


 12 kW* @ 400 V

- Controller Standard incl. power plug (CEE 32 A)
- Instruction manual
- max. 16 A** (L-L to 400 V)

Description
PPuls Controller Extended Standard 32A

Order No.
FBEC9

PPuls Controller, Version Extended Xpert 32 A (from Q1/2012)

 12 kW* @ 400 V

- Controller Xpert incl. power plug (CEE 32 A)
- PC Software + USB Data cable
- Instruction manual
- max. 16 A** (L-L to 400 V)

Description
PPuls Controller Extended Xpert 32A

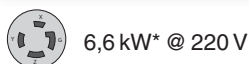
Order No.
FBEC10

See next page for further versions

* Maximum total power for heating elements platen 1 and 2

Versions and scope of delivery for PPuls Extended

PPuls Controller, Version Extended Standard 30A NEMA L15-30



- Controller Standard incl. power plug (NEMA L15-30)
- Instruction manual

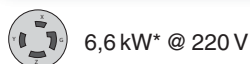
Description

PPuls Controller Extended Standard
NEMA L15-30

Order No.

FBEC21

PPuls Controller, Version Extended Xpert 30A NEMA L15-30 (from Q1/2012)



- Controller Xpert incl. power plug (NEMA L15-30)
- PC Software + USB Data cable
- Instruction manual

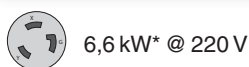
Description

PPuls Controller Extended Xpert
NEMA L15-30

Order No.

FBEC22

PPuls Controller, Version Extended Standard 30A NEMA L6-30



- Controller Standard incl. power plug (NEMA L6-30)
- Instruction manual

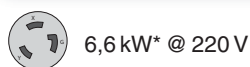
Description

PPuls Controller Extended Standard
NEMA L6-30

Order No.

FBEC31

PPuls Controller, Version Extended Xpert 30A NEMA L6-30 (from Q1/2012)



- Controller Xpert incl. power plug (NEMA L6-30)
- PC Software + USB Data cable
- Instruction manual

Description

PPuls Controller Extended Xpert
NEMA L6-30

Order No.

FBEC32