DRYWALL SANDER
FPEP850LED

ORIGINAL INSTRUCTIONS

READ INSTRUCTIONS BEFORE USE THE TOOL

Dear customer,

Thank you for purchasing this product. Please read all the instructions in this manual carefully before you assemble or use the product.

 Read all the safety information and instructions, to reduce the risk of injury

 Make sure, when working with electrical tools, that safety glasses are worn

 Make sure to wear a protective dust mask! While working with wood or other materials harmful dust particles can be formed. Material containing Asbestos is not allowed to be sanded or worked!

 Make sure to wear ear protectors against the loud noises! The effect of loud noise can cause hearing damage.

General Safety Guidelines

General Power Tool Safety Warnings

WARNING Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury*.
Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) **Work area safety**
a) **Keep work area clean and well lit**. *Cluttered or dark areas invite accidents.*
b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*
2) **Electrical safety**
a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of*

electric shock.

b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*

c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards*.

4) **Power tool use and care**

a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations*

different from those intended could result in a hazardous situation.

5) **Service**

a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

Safety instructions for all operations

Safety Warnings Common for Grinding, Sanding, Wire Brushing, Polishing or Abrasive Cutting-Off Operations:

a) **This power tool is intended to function as a sander. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

b) **Operations such as grinding, wire brushing, polishing or cutting-off are not recommended to be performed with this power tool.** *Operations for which the power tool was not designed may create a hazard and cause personal injury.*

c) **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** *Just because the accessory can be attached to your power tool, it does not assure safe operation.*

d) **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** A*ccessories running faster than their rated speed can break and fly apart.*

e) **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** *Incorrectly sized accessories cannot be adequately guarded or controlled.*

f) **Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange.** *Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*

g) **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** *Damaged accessories will normally break apart during this test time.*

h) **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** *The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.*

i) **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** *Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.*

j) **Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

k) **Position the cord clear of the spinning accessory.** *If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.*

l) **Never lay the power tool down until the accessory has come to a complete stop.** *The spinning accessory may grab the surface and pull the power tool out of your control.*

m) **Do not run the power tool while carrying it at your side.** *Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.*

n) **Regularly clean the power tool's air vents.** *The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*

o) **Do not operate the power tool near flammable materials.** *Sparks could ignite these materials.*

p) **Do not use accessories that require liquid coolants.** *Using water or other liquid coolants may result in electrocution or shock.*

Further safety instructions for all operations

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** *The operator can control torque reactions or kickback forces, if proper precautions are taken.*

b) **Never place your hand near the rotating accessory.** *Accessory may kickback over your hand.*

c) **Do not position your body in the area where power tool will move if kickback occurs.** *Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.*

d) **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** *Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.*

e) **Do not attach a saw chain woodcarving blade or toothed saw blade.** *Such blades create frequent kickback and loss of control.*

Additional safety instructions for sanding operations

Safety Warnings Specific for Sanding Operations:

a) **Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper.** *Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.*

SAFETY RULES FOR DRYWALL SANDER

1. USE A RESPIRATOR. Ventilate work area and/or use a dust collector. Continued and prolonged exposure to high concentrations of airborne dust may affect the respiratory system function.
2. MANINTAIN FIRM FOOTING AND BALANCE. Use appropriate scaffolding. Do not overreach.
3. SANDING OF LEAD-BASED PANINT IS NOT RECOMMENDED. Lead-based paint should only be removed by a professional.
4. The sander is connected with a dust bag and could absorb dust by its self-absorption system, without connection with a vacuum cleaner.

TECHNICAL SPECIFICATIONS

Voltage supply	230-240V~
Power	850W
Frequency	50Hz
Speed	1500-2600/min
Disc Diameter	180/225 mm
Sound power level	103.8 dB(A) K= 3 dB(A)
Sound pressure level	92.8 dB(A) K= 3 dB(A)
Vibration	Main handle: 2.953 m/s^2 K= 1.5 m/s^2 Auxiliary handle: 2.916 m/s^2 K= 1,5 m/s^2

Information:

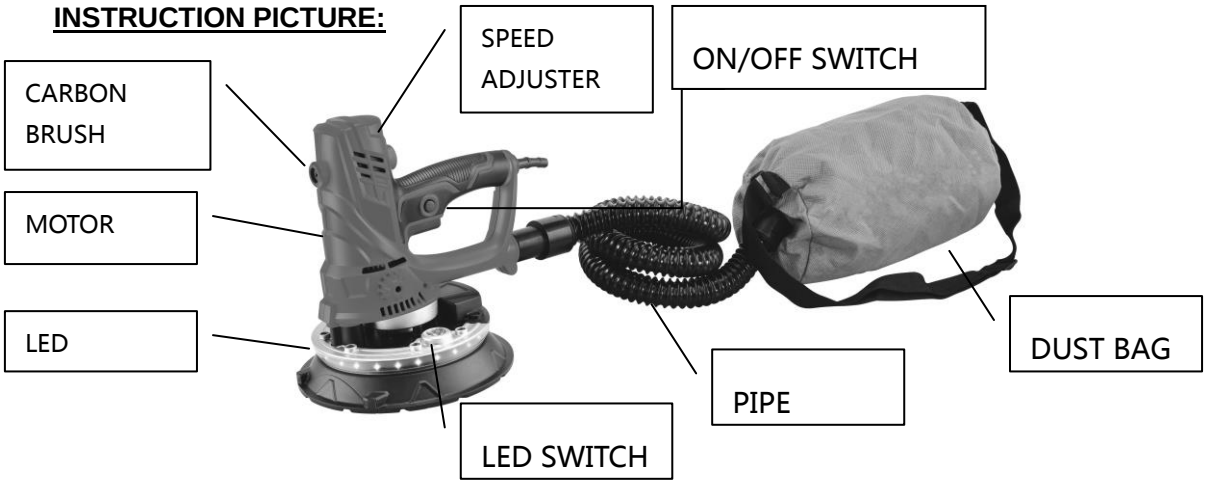
- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

Warning:

- that the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Wear hearing protection.

INSTRUCTION PICTURE:



WARNING

While working with this tool, the dust caused can be dangerous to one‘s health:
While working with a sander always wear eye protection and a dust mask.
Do not work with material containing asbestos. Asbestos is known to cause cancer.

Special caution while sanding material containing lead:

All persons, that are working with the machine or entering the workspace, must wear a special mask for protection from lead colors and steam.
Children and pregnant women are not allowed to enter the workspace.
At the workspace, it is not allowed to eat, drink or smoke. Contact with or inhaling of the sanded dust (for ex. Lead-based coating material) can cause the user and others present damage to their health.

YOU SHOULD ALWAYS

Always wear proper size personal protection equipment such as a dust mask and use while sanding with a dust bag.
The power cable must be kept away from the moving parts of the machine.
Wear protection goggles, especially while sanding above one‘s head.

ABRASIVE DISC SELECTION

The Drywall Sander is shipped with 6pcs of sanding paper ((80/100/120/150/180/240grit). This abrasive is suitable for most applications. Abrasive discs of 120 grit and 240 grit are available for situations requiring a smoother finish.

INSTALLATION

 Before the repair or replacement parts, electric tool accessories, be sure to pull out the plug from the socket

THE REPLACEMENT OF ABRASIVE SANDING PAPER

Before installing the new sanding paper, must first clear up the sanding disc, such as the use of brush. Sanding pad has a layer of cloth; it can quickly and easily install flocking self-adhesive sandpaper. Place the new sanding disc accurately onto the sanding pad. Press it firmly by hand into place.

DO NOT USE THE SANDER WITHOUT A PROPER ABRASIVE SANDING PAPER INSTALLED (to prevent severe damage to the work).

ABRASIVE PAD REPLACEMENT

CAUTION: DISCONNECT SANDER FROM POWER SOURCE.

1). Grasp the abrasive belt and strap support (tighten the plate on the bracket), to prevent rotation.
2). Rotate the insert retaining nut counter clockwise and remove it..
3). Lift the large metal washer and the abrasive pad.

NOTE: When the abrasive pad is removed from the sander, the abrasive rear disc is exposed. This rear disc is also covered with an abrasive material.

This abrasive material is ONLY used to prevent "slippage" between the rear disc and the back abrasive plate foam. It is NOT suitable for use as an abrasive sander. NEVER USE THE SANDER WITHOUT PROPER ABRASIVE PAD INSTALLED (to prevent severe damage to the work).
4). Position the new abrasive pad on the rear disc, making sure that the center hole in the abrasive disc is in the middle of the rear abrasive disc.
5). Position the large metal washer of the retaining nut on the sander.
6). Rotate the retaining nut clockwise and tighten by hand (while holding the abrasive pad).

The output shaft is inserted at the centre of the adhesive disc with six angle wrench with clockwise rotation angle in the six hexagonal holes, and at the same time, the hands hold the adhesive disc. The grinding disc can be remove adhesive.

TO CONNECTED WITH THE DUST COLLECTING BAG

In order to protect the operator to reduce dust suction and site cleaning process at work, in the work process please connect the machine with dust bag. As shown in the figure is connected with the suction pipe, the other end is connected with the dust collecting bag.
CAUTION: Failure to use a dust bag rated for drywall dust will increase the level of airborne dust particles in the work area. Continued and prolonged exposure to high concentrations of airborne dust may affect the respiratory system function.

EMPTYING THE DUST DUST BAG

Warning: Only empty the dust bag when the machine is switched” off”. The dust bag has an open seam which is sealed by a plastic slide fastener.

IF THE BAG IS 50% FULL OF DUST, PLEASE EMPTY THE DUST BAG TIMELY.

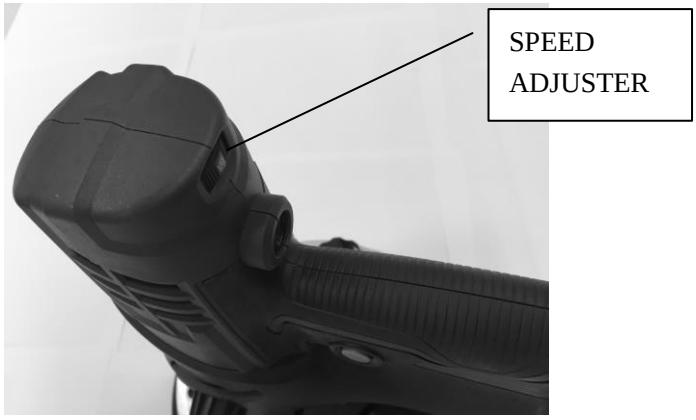
ADDITIONAL RING INSTALLED.

When the sanding pad is below the level of plastic cover, pls add the back-up ring, to rise the height of sanding pad.

SPEED ADUSTMENT:

The sanding speed can be adjusted according to different conditions and sanding quality requirements. The Drywall Sander is equipped with a variable speed control. The speed is adjusted by turning the control knob. The control knob is numbered "1" through "6" with "I" being the slowest speed (Approximately 1500 RPM) and "6" being the fastest speed {approximately 3000 RPM).

Use the higher speed settings for fast stock removal. Use the lower speed setting to reduce removal rate for more precise control

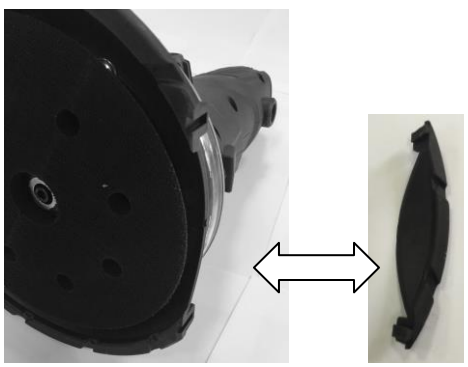


360°Corner sanding:

This model is able to sand corner.

Take off side part, ensure sanding paper reach wall corner.

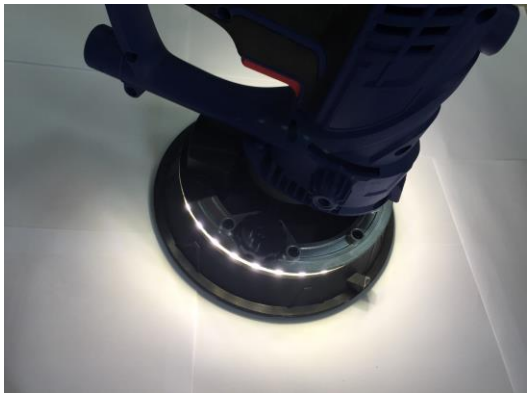
Whirl 360°adjustable sanding pad cover, to reach corner in any direction.

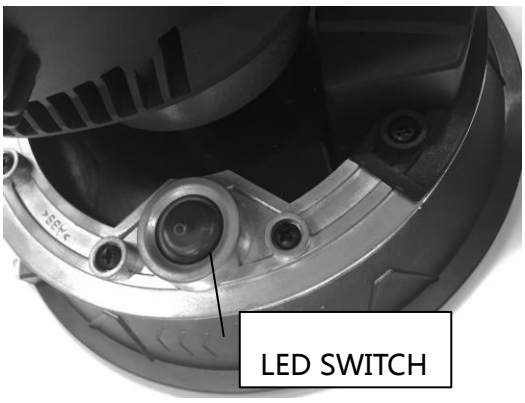


300°LED

300°LED ensure sanding in darkness.

Turn on/off LED by LED switch above the LED.

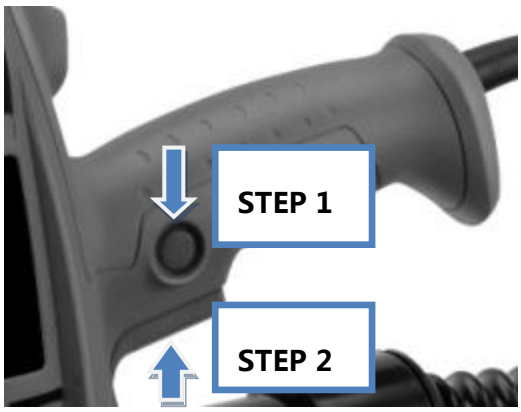




TO TURN ON/OFF DRYWALL SANDER

Make sure power circuit voltage is the same as shown on the specification plate on the Sander, and that the Sander switch is OFF. Connect Sander to power circuit.

The Drywall Sander is equipped with a safety ON/OFF trigger switch. Push the front small trigger(Step1), and then press the bigger button(Step2) to start the machine. And release the button to turn off the machine.



SANDING DRYWALL

The Drywall Sander has a unique articulating sanding head: the abrasive pad to conform to the work surface

This enables the operator to sand the top, middle and bottom of a wall or ceiling joint

When sanding the tall wall, and ceiling, please use a ladder for help.

The sanding pad could be adjusted the height by itself when it meet the uneven wall.

1. **CAUTION:** Wear a respirator approved for "Dust and Mist".
2. Turn Drywall Sander switch 0N.
3. Position Drywall Sander lightly against work surface (apply just enough pressure to align the sanding head with the work surface).
4. Apply additional pressure to engage the abrasive pad to the work surface: while moving the Sander in an overlapping pattern to smooth the drywall compound down to a "featheredge'.

Apply ONLY enough pressure to keep the abrasive pad flat against the work. Excessive pressure can cause unacceptable swirl marks and unevenness in the work surface.

Keep the Sander in constant motion while abrasive pad is in contact with the work surface. Use a steady, sweeping motion. Stopping the Sander (on the work), or moving the Sander erratically can cause unacceptable swirl marks and unevenness in the work surface.

NOTE: Do not allow rotating abrasive pad to contact sharp protrusions. Contact with protruding objects (nails, screws, electrical boxes, etc,), can severely damage the abrasive pad.

MAINTENANCE

Keep tools clean, clean up debris and dust.
Often add in lubricating oil and grease (reducer, bearing) to keep the tool flexible operation.
Always check the power cable, plug, switch, so that the tools in good condition.
Power tools produced by the company are quality inspection Strict, if the machine is still failure occurs; please repair the machine to the authorization of the customer service department.

CARBON BRUSH REPLACEMENT

You must replace both carbon brushes if the original Carbon brush wear limit. Use "-" screwdriver counter clock wise unscrew the brush cover, remove the original carbon brush, to put new carbon brush to brush holder and screw on the brush cover.

a. Spare parts

You can order the spare parts directly from our Service Center. Please place your order according to the type of the machine and the parts number given in the explosion drawing.

b. Repairs

There are no repairs to be provided by the user. For inspection and repairs, bring the tool directly to a qualified service.
If it is necessary to replace the cable, it shall be done by an authorized agent.

c. Storage

After use and cleaning, please store your tool. Use the provided transport bag to transport the tool and the accessories. Store the tool in a clean, dry place, preferably in its box.
The tool must be stored away from children and pets.

Avoid exposing the tool to direct sunlight.

Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

DECLARATION OF CONFORMITY

FEIDER
32, rue Aristide Bergès - ZI 31270 Cugnaux - France

States that the designated below machine:
Product: Auto vacuum drywall sander
Model: FPEP850LED
Serial number:

Developed, designed and manufactured in accordance with the requirements of directives:
Machine Directive 2006/42/EC
EMC Directive 2014/30/EU
ROHS Directive 2011/65/EU

Also meets the following standards:
EN60745-1:2009/A11:2010
EN 60745-2-3:2011+A2:2013+A11:2014+A12:2014+A13:2015
EN 55014-1:2006+A1:2009+A2:2011
EN55014-2:2015
EN61000-3-2:2014
EN61000-3-3:2013
EN62321:2009

Cugnaux : 01/01/2019

Philippe MARIE / PDG

Responsible of the technical file：Mr. Olivier Patriarca