

deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

TECHNICAL DATA SHEET

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TECHNICAL DETAILS FOR LITHIUM BATTERY PACK FEM -LTBP200



DIMENSION AND WEIGHT:

215 x 90 x H80 mm
weight 1,6 kg
case fully realized in anodized aluminium

ELECTRICAL CHARACTERISTICS :

Effective power of **lithium battery pack** : 200W
nominal tension 28Vdc
Max tension under charge : 29,2Vdc
Output current limited at 3 Amp by a reactivable termo-fuse.
Input tension for charge 24Vdc from the same power supplier used for 10L lamp.
Maximum input current during the charge 3,2Amp
Maximum input power absorbed 77W
Battery charge method cc-cv (limited in current and tension)
Battery protection for over tension, under tension and short circuit by BMS board.
Double USB of 2,1 A each for fast charge of mobile phones, tablets, and all those devices that can be charged by USB.



GENERAL CHARACTERISTICS :

Metallic circular Input plug 2 poles male, same model used for 10L lamps.(1)
Metallic circular output plug 2 poles femail, like the one used for extension cable and power supply of 10L lamps.(2)
Double USB 2,1 A each port. Back-lighted. Protected by a gum cap.(3)
Two positions switch that allows the disconnection of battery from electrical circuit, it guarantee the minimum auto-discharge during the non-use of battery pack.(4)

Back-lighted with blue light display with charge level indicator. Double indication in volts and charge percentage + proportional graphic bar. (5)

The display switches-off after 10 seconds in order to reduce the power consumption, push the button to switch on the display for further 10 seconds.

The battery pack charges even if the on-off switch is on off position, in this case it will be not possible to check the battery level on display because it will be off.

When the on-off switch is on « on » position all the function of the battery pack are available.

Battery pack can be charged while a lamp is connected, bot USB ports can be used simultaneously.

Advice : connect and disconnect the lamps only when the switch of battery pack is « off ».

TYPICAL PERFORMANCES OF BATTERY PACK :

Operation time with a 10L lamp almost 7 hours consecutive.

Charge time when battery pack is completely out of power :

After 1 hour : 40 %

After 2 hours : 63 %

After 3 hours : 98 %

Complete charge after 3,5 hours.