

JME:PBU

PORTABLE BATTERY UNIT



IMAGES FOR ILLUSTRATION PURPOSES ONLY

- PORTABLE | SILENT POWER WITH NO EMISSIONS
- ALLOWING DEPLOYMENT AND OPERATIONS SAFER, FASTER, WITH REDUCED DOWNTIME
- INSTANT POWER, INSTANT IMPROVEMENT

JME:PBU - PORTABLE BATTERY UNIT

PIPELINE CRAWLERS • BETATRON PORTABLE X-RAY • DIGITAL RADIOGRAPHY

The **JME:PBU** provides a lightweight/mobile power solution for devices intended to run on 230V/16A.

Proven and tested with the **JME** 2.5meV (1kW) Betatron, **JME** 6/7.5meV Betatrons (for a full 45min duty cycle) and COMET EVO/ECO range to provide over 1.5 hours of X-Ray time (900W).

The **PBU** removes the need for flammable liquids on site for use with generators, reduces overall deployment weight, improves access to hard to reach and hazardous locations, while removing the need for maintenance and risk of unplanned break downs.

Enabling improved deployment with stable and clean power, producing no noise or environmental emissions the **PBU** is suited for: Powering pipeline crawler chargers, X-Ray tube run-in without loading the battery of the Pipeline Crawler, Dark Room back up and Powering auxiliary operations such as **DXB:1** system charging, and much more.



FAST CHARGING FULL CHARGE IN 2.5 HOURS. CHARGE THE JME:PBU IN THE MIDDLE OF YOUR WORKDAY



POWER YOUR MOST DEMANDING TOOLS 18,000 W PEAK POWER



WORK ANYWHERE TAKE A 230V WALL SOCKET WITH YOU – POWER ANY DEVICE NO MATTER WHERE YOU ARE



ROBUST AND WEATHER-PROOF IP54+ RATING. WORK IN ANY CONDITIONS, UNAFFECTED BY DUST OR WATER

COMPATIBLE PRODUCTS

PXB:2.5
PORTABLE X-RAY BETATRON

PXB:6/7.5
PORTABLE X-RAY BETATRON

DXB:1
DIGITAL X-RAY BUGGY

CR2
ACCESSORIES

ECO/EVO
X-RAY SERIES

comet

**ECO/EVO X-RAY SERIES
PROVEN AND TESTED**



PROUDLY SUPPLYING THE NDT INDUSTRY FOR OVER 35 YEARS

JME

ADVANCED INSPECTION SYSTEMS

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TECHNICAL SPECIFICATIONS

Parameter	Value	Comment
OPERATING STATE: DISCHARGING		
Output voltage	230 VAC / 50 Hz	European grid standard
Rated power	3.600 W / 16 A	RMS
150% overload (5,400 W / 24 A)	Operation for >500 s possible	RMS
200% overload (7,200 W / 32 A)	Operation for >50 s possible	RMS
250% overload (9,000 W / 40 A)	Operation for >10 s possible	RMS
Peak Power	18.000 W / 80 A	RMS
Maximum short-circuit current	500 A (peak)	Peak
Maximum operating time (idle)	150 h	
Line protection	16 A – similar to „B16“ circuit breaker	
Permitted operating temperature	-20°C to 60°C	

OPERATING STATE: CHARGING		
Input voltage	120-240 VAC / 50-60 Hz	RMS
Rated power	500-1.000 W / 4 A	Voltage independent current consumption/ RMS
Charge time	< 3h to 100%	At 230 VAC and 25°C ambient temperature
Permitted operating temperature	0°C to 45°C	

GENERAL INFORMATION		
Battery capacity	2.074 Wh	
Weight	20 kg	
Dimensions	420 x 210 x 420 mm	
IP Class	IP54	Water and dust proof
Protection class	Class II / double-insulated	According to IEC 61140
Noise emission	< 10 dB(A)	Silent
Storage	> 3 years	

CONNECTIONS		
Output socket	BS1363-2 (13 A)	
Output socket	Neutrik powerCON TRUE1® TOP®	
Load input	Neutrik powerCON TRUE1® TOP®	Incl. charging cable
Input fuse	T5A L 250 V	

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TRANSPORT INFORMATION:



TRANSPORT mode isolates all of the battery modules from each other, and the unit can be transported in accordance with SP188

The PBU has a modular structure, whereby each single battery module has an energy content of 86.4Wh. If the unit is going to be transported, it must be put into TRANSPORT mode. To do this, move the rotary switch all the way to the left to the padlock symbol, as shown in the illustration. This results in all the battery modules in the unit being separated from each other, and the cover of the PBU therefore constitutes packaging for individual battery modules with less than 100Wh. The unit may be transported in accordance with SP188 in this mode.

RATED OUTPUT POWER
3,600 W (16 A)

PEAK POWER OUTPUT
18,000 W (80 A)

RATED ENERGY CAPACITY
2.1 kWh

WEIGHT
20 kg



Energy content of the battery in accordance with IEC 61960-3:2017



Tested in accordance with UN38.3



Each LED segment corresponds to a charge of 12.5%



SALES AND MANUFACTURING
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VIEW THE JME:PBU at www.jme.co.uk

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