

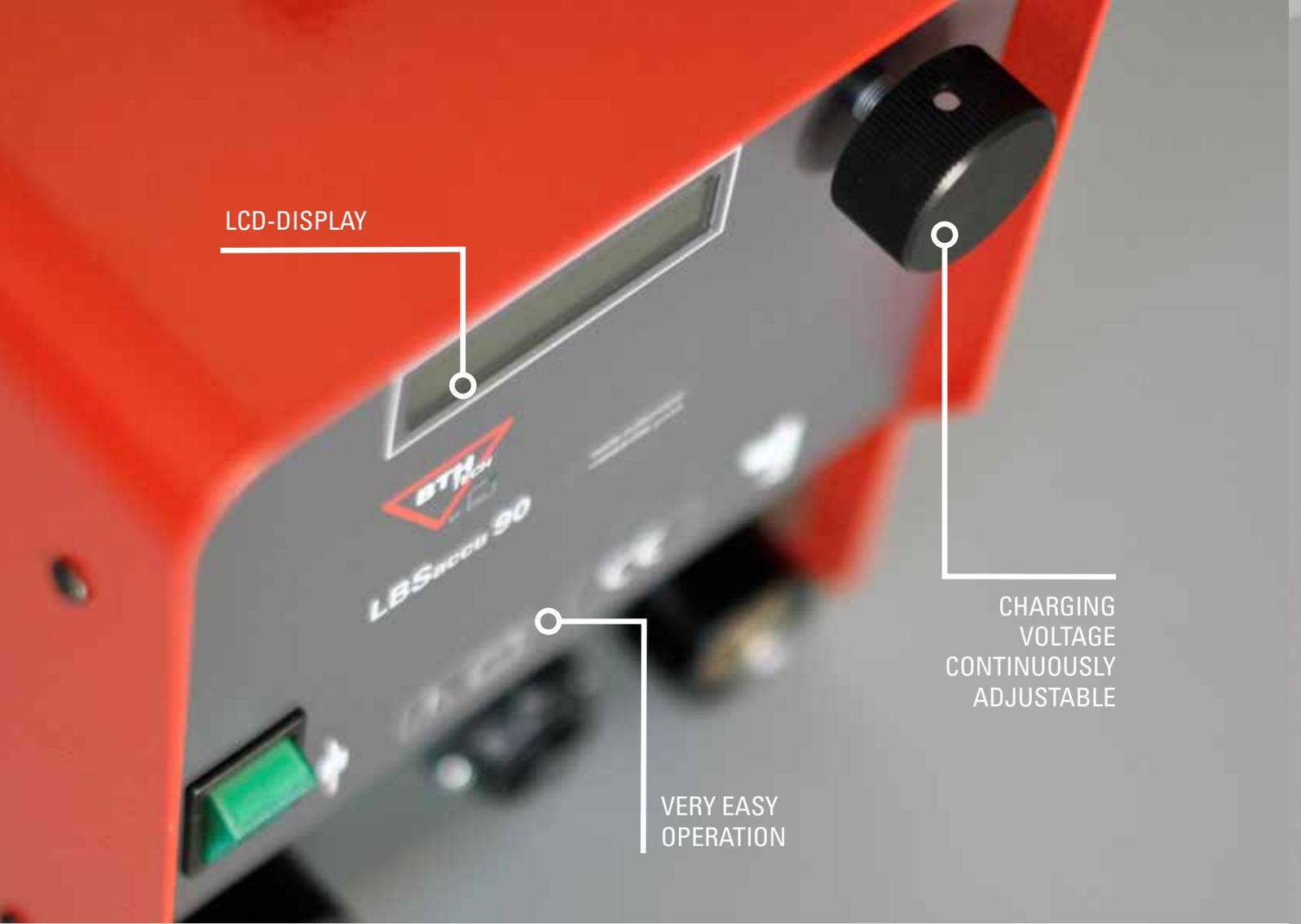


LBSaccu

BATTERY POWERED STUD WELDING UNITS
FOR CAPACITOR DISCHARGE STUD WELDING



STUD WELDING TECHNOLOGY BY  STUD WELDING



LCD-DISPLAY

CHARGING
VOLTAGE
CONTINUOUSLY
ADJUSTABLE

VERY EASY
OPERATION



HIGH QUALITY,
ROBUST UNIT BODY
FOR HARSH BUILDING
SITE CONDITIONS

LONG-LASTING
HIGH-END LITHIUM
BATTERY
(APPROX. 1000
CHARGING CYCLES)

LIGHTWEIGHT

VERY HIGH
BATTERY CAPACITY

SMALL AND COMPACT

PKM-1B
FOR WELDING STEEL AND
STAINLESS STEEL



PHM-1A
FOR WELDING STEEL, STAINLESS STEEL,
ALUMINIUM AND BRASS



PIM-1B
FOR WELDING CUPPED
HEAD PINS MADE OF STEEL
AND STAINLESS STEEL





HIGH MOBILITY THROUGH

LIGHTWEIGHT

- » low weight for high mobility

SMALL AND COMPACT

- » Dimensions: 195 x 302 x 270 mm

LCD DISPLAY

- » easy to read
- » display of adjusted charging voltage
- » display of welds performed (welding counter resettable)
- » display of welds still possible
- » charging state indicator (colour changing of the display)

VERY EASY OPERATION

- » charging voltage continuously adjustable
- » one-button operation by robust rotating pressure switch

APPLICABLE WITH STUD WELDING GUN PKM-1B

- » for welding threaded studs, non-threaded studs, internally threaded studs, earth plugs and insulation nails
- » welding material: steel, stainless steel

APPLICABLE WITH STUD WELDING GUN PHM-1A

- » for welding threaded studs, non-threaded studs, internally threaded studs, earth plugs and insulation nails
- » welding material: steel, stainless steel, aluminium, brass

APPLICABLE WITH STUD WELDING GUN PIM-1B

- » for welding cupped head pins
- » welding material: steel, stainless steel

POWERFUL

- » perfect welds of very high strength
- » very high battery capacity

LONG-LASTING HIGH-END LITHIUM BATTERY

- » Battery life approx. 1000 charging cycles!

FULL BATTERY CHARGE FROM MAINS IN ONLY 3 HOURS

EASY, TOOL-LESS CHANGE OF BATTERY

EFFICIENT ENERGY MANAGEMENT

- » automatic stand-by mode (after 30 minutes)
- » automatic shut-down (after 60 minutes)

ELECTRONICALLY CLOCKED INVERTER CHARGING BOARD

- » ensure short charging times and thus quick welding sequences
- » ensure energy-efficient charging of capacitors

MAINS OPERATION

- » Alternatively (e.g. when the battery is empty), the units can be operated at every power socket.

UTMOST SAFETY

- » electronic function control
- » self-diagnosis system
- » automatic function test
- » repeat cycle lock to avoid welding on already welded studs
- » battery deep discharge protection

HIGH QUALITY, ROBUST UNIT BODY FOR HARSH BUILDING SITE CONDITIONS

GH BATTERY OPERATION!



TECHNICAL DATA AND CHARACTERISTICS

	LBSaccu 50	LBSaccu 50s	LBSaccu 75	LBSaccu 75s	LBSaccu 90	LBSaccu 90s
Max. welding diameter (mm)	6		8		10	
Welding material	steel, stainless steel	steel, stainless steel, aluminium, brass	steel, stainless steel	steel, stainless steel, aluminium, brass	steel, stainless steel	steel, stainless steel, aluminium, brass
Capacitance (µF)	47000		66000		88000	
Charging voltage (V)	60 - 200					
Welding time (mS)	1 - 3					
Number of welds/battery charge	M3/Ø3: 2800 M4/Ø4: 1500 M5/Ø5: 1100 M6/Ø6: 650		M3/Ø3: 2800 M4/Ø4: 1500 M5/Ø5: 1100 M6/Ø6: 650 M8/Ø8: 400		M3/Ø3: 2800 M4/Ø4: 1500 M5/Ø5: 1100 M6/Ø6: 650 M8/Ø8: 400 M10: 250	
Battery (capacity/voltage)	2 x 7,5 Ah/12 V					
Battery life	1000 charging cycles					
Battery charging time	3 hours					
Error diagnosis systems						
Excess temperature	x	x	x	x	x	x
Damage on welding/control cable	x	x	x	x	x	x
Damage on solenoid	x	x	x	x	x	x
External power adapter (for charging/welding from mains)	100-240 V, 50/60 Hz, 4000 mA					
Thermic controlled ventilator	x	x	x	x	x	x
Robust, powder-coated metal housing	x	x	x	x	x	x
Dimensions						
W x H x L (mm)	195x302x270	195x302x270	195x302x270	195x302x270	195x302x270	195x302x270
Weight (kg)	9,9	10	10,4	10,5	11,3	11,4
Control cable socket for welding guns	7-pin					
Suitable welding guns						
PKM-1B	x	o	x	o	x	o
PHM-1A		x		x		x
PIM-1B	o	o	o	o	o	o

x – Standard, o – Option



Bolte GmbH

Flurstraße 25
D-58285 Gevelsberg

Tel.: +49 (0)2332 55106-0
Fax: +49 (0)2332 55106-11

Ohmstraße 3
D-85221 Dachau

Tel.: +49 (0)8131 5159-0
Fax: +49 (0)8131 5159-11

E-Mail: info@bolte.gmbh



bolte.gmbh