

SPECIFICATION

JCB E-TECH



## ELECTRIC POWER PACKS | 1.25QE - 1.50QE

Single phase output: 230V Output capacity: 8kW Battery type: Lithium-ion

JCB

# 100% electric. Zero emissions.

JCB is leading the way in clean technology and reducing harmful emissions. That's why we are introducing JCB E-TECH, a new generation of electric products with zero emissions at point of use that don't compromise on performance. JCB's pioneering power packs are the first in a range of energy storage solutions with zero emissions, less noise and no compromise on performance to provide power wherever and whenever you need it.

## ZERO EMISSIONS.

JCB's clean technology electric power packs have zero emissions at point of use, making them safe for any environment.



## ZERO COMPROMISE.

By using the most energy dense Lithium-Ion technology, JCB electric power packs provide the maximum available power in the smallest package.

## LOW NOISE.

With no engine, the JCB power packs offer near silent operation on site, creating new opportunities for noise sensitive or out-of-hours applications.



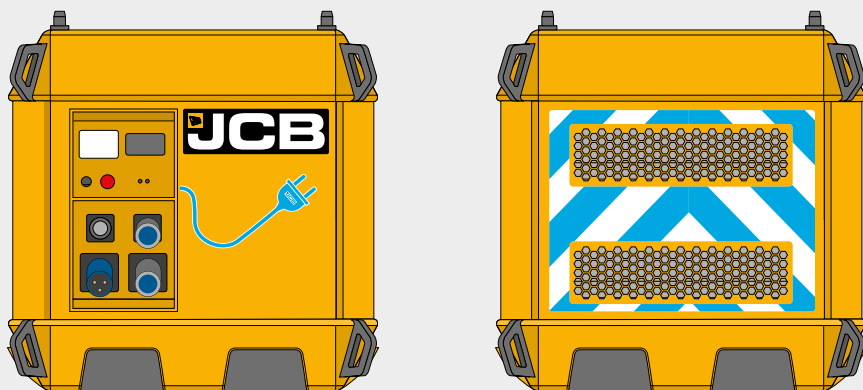
## REDUCED COST.

State-of-the-art inverter technology and automotive grade Lithium-ion batteries ensure that the JCB power packs deliver maximum uptime.

## BUILT TO LAST.

The JCB power packs have been designed to withstand the toughest applications, with robustness and ease of movement forefront in the design process.

## STATIC DIMENSIONS



Model		I.25QE	I.50QE
Overall length	mm	1000	1000
Overall width	mm	1000	1000
Overall height	mm	1000	1000
Overall weight	kg	530	665

## MECHANICAL FEATURES

Model		I.25QE	I.50QE
Steel canopy		•	•
Recessed control panel		•	•
Fork Pockets (x4)		•	•
Four point lift		•	•
Yellow Paint		•	•
White Paint		+	+

## ELECTRICAL FEATURES

Model		I.25QE	I.50QE
RCBO Protected Socket Outputs		•	•
Preparation for Earth Spike		•	•
Two wire auto-start to generator		•	•
Digital Control Module With Colour Touch Screen		•	•
Emergency Stop Button		•	•

STANDARD •  
OPTIONAL +

## POWER PACK OUTPUT

Model		I.25QE	I.50QE
Single Phase output	V	230	230
Total Storage Capacity	kWh	23	46
Maximum Recommended Depth of Discharge	%	90	90
Capacity to 90% Depth of Discharge	kWh	20	41
Continuous output at 25°C	kW	8	8
Peak Power output at 25°C (5 Secs)	kW	20	20
Autonomy 1kW / 2kW / 8kW	hrs	20 / 10 / 2.5	41 / 20 / 5
Output connection type		63A/32A single phase CEEFORM socket	63A/32A single phase CEEFORM socket

## POWER PACK INPUT

Model		I.25QE	I.50QE
Max charging current at 230V single phase		63A	63A
Typical recharge time from 10% - 100% at 63A	min	100	200
Typical recharge time from 50% - 100% at 63A	min	50	100
Input connection type		63A/16A single phase CEEFORM sockets	63A/16A single phase CEEFORM sockets

## ENERGY STORAGE BATTERIES

Model		I.25QE	I.50QE
Battery Type		Manganese Laminated Lithium-Ion	Manganese Laminated Lithium-Ion
Size	V	52V	52V
Quantity		4	8

## POWER PACK FEATURES

Operating temperature range	°C	-20 to +40
Charging cycles at 90% DOD		>85% capacity for minimum 2000 cycles when cycled to 90% depth of discharge at a cell temperature of 25°C.
Inverter protection		Overload, overheat, short circuit, Low battery, Excess battery voltage ripple.
Battery monitoring functionalities		Voltage & % capacity available

## REFERENCE STANDARDS

CE certified and conform to the following Directives (subject to a country requiring such standard):

- EN60204 , EN12601 , EN61000-6-2, EN61000-6-3
- Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046
- 2014/35/EU Low Voltage
- 2014/30/EU Electromagnetic compatibility.

Information based on standard specification equipment unless otherwise stated.



100% electric. Zero emissions.

Your nearest JCB dealer

### Electric Power Packs 1.25QE - 1.50QE

Single phase output: 230V Output capacity: 8kW Battery type: Lithium-ion

JCB Sales Limited, Rocester, Staffordshire, United Kingdom ST14 5JP.

Tel: +44 (0)1889 590312 Email: [salesinfo@jcb.com](mailto:salesinfo@jcb.com)

Download the very latest information on this product range at: [www.jcb.com](http://www.jcb.com)

©2009 JCB Sales. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB Sales. All references in this publication to operating weights, sizes, capacities and other performance measurements are provided for guidance only and may vary dependant upon the exact specification of machine. They should not therefore be relied upon in relation to suitability for a particular application. Guidance and advice should always be sought from your JCB Dealer. JCB reserves the right to change specifications without notice. Illustrations and specifications shown may include optional equipment and accessories. All images are correct at time of print. The JCB logo is a registered trademark of J C Bamford Excavators Ltd.

28979 en-GB 10/20 Issue 1

