

## SPECIFICATION



**ELECTRIC POWER PACKS** | 1.25QE/1.50QE/3.50QE/3.75QE/3.100QE

Storage capacity: 23 – 104kWh | Output capacity: 8 – 36kW | Battery type: Lithium-ion





# ELECTRIC POWER PACKS

JCB's pioneering Electric Powerpacks are the first in a range of energy storage solutions with zero emissions, low noise and zero compromise on performance to provide reduced cost power, wherever and whenever you need it.

## ZERO EMISSIONS

Our clean technology, Electric Powerpacks 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 Powerpacks provide the maximum available power in the smallest package.

## ZERO NOISE

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



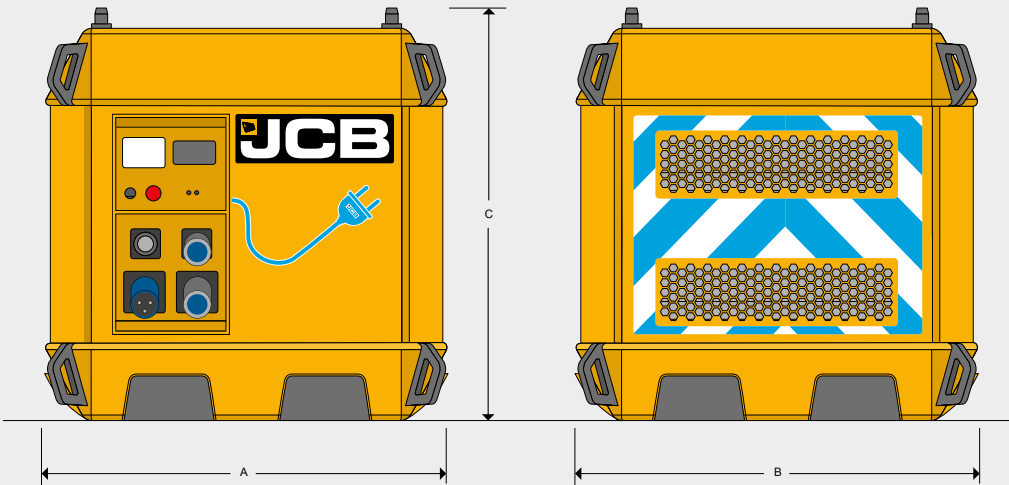
## REDUCED COST

Hybrid power generation capability and intelligent control, ensure maximum efficiency and cost reduction on site.

## BUILT TO LAST

With robustness and ease of movement forefront in the design process, JCB Powerpacks have been built to withstand the toughest applications.

**WEIGHT AND DIMENSIONS**



Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
A	Length	mm	1000	1000	2175	2175
B	Width	mm	1000	1000	1307	1307
C	Height	mm	1000	1000	1815	1815
	Weight	kg	530	665	1550	1700

**MECHANICAL FEATURES**

Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
Steel canopy		●	●	●	●	●
Recessed control panel		●	●	●	●	●
Fork pockets		●	●	●	●	●
Four point lift		●	●	N/A	N/A	N/A
Single point lift		N/A	N/A	●	●	●
Yellow paint		●	●	●	●	●
White paint		○	○	○	○	○

**ELECTRICAL FEATURES**

Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
RCD protected socket outputs		●	●	●	●	●
Preparation for earth spike		●	●	●	●	●
Two wire auto-start to generator		●	●	●	●	●
Victron digital control module with colour touch screen		●	●	●	●	●
Deep Sea Electronics digital control module with colour touch screen		N/A	N/A	○	○	○
Socket timer control (4)		N/A	N/A	○	○	○
Manual bypass facility		N/A	N/A	○	○	N/A
Emergency stop button		●	●	●	●	●
Solar Charging		N/A	N/A	○	○	○

● Standard ○ Option N/A Not Available

**POWERPACK OUTPUT**

Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
Output voltage	V	230	230	400	400	400
Total storage capacity	kWh	23	46	46	69	104
Maximum recommended depth of discharge	%	90	90	90	90	90
Capacity to 90% depth of discharge	kWh	20	41	41	62	94
Continuous output at 25°C	kW	8	8	36	36	36
Peak power output at 25°C (5 secs)	kW	20	20	75	75	75
Output connection type	Standard	63A/32A single phase CEEFORM socket		125A three phase CEEFORM sockets and Busbar connections		
	Option 1	63A/16A single phase CEEFORM socket		125A three phase, 63A three phase, 3 x 32A single phase CEEFORM sockets and Busbar connections		
	Option 2	-		125A three phase, 32A three phase, 3 x 16A single phase CEEFORM sockets and Busbar connections		

**POWERPACK INPUT**

Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
Max charging current at 230V single phase		32A	32A	N/A	N/A	N/A
Max charging current at 400V three phase		N/A	N/A	54A	54A	54A
Typical recharge time from 10% – 100%	min	175	350	83	124	187
Typical recharge time from 50% – 100%	min	100	200	46	69	104
Input connection type		63A/16A single phase CEEFORM socket		16A single phase, 125A three phase CEEFORM sockets and Busbar connections		

**ENERGY STORAGE BATTERIES**

Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
Battery type		Manganese laminated lithium-ion				
Battery system voltage	VDC	52	52	52	52	52
Size	kWh	5.75	5.75	5.75	5.75	5.75
Quantity		4	8	8	12	18

**POWERPACK FEATURES**

Model		1.25QE	1.50QE	3.50QE	3.75QE	3.100QE
Operating temperature range	°C	-20 to +40	-20 to +40	-20 to +40	-20 to +40	-20 to +40
Sound pressure levels	dB(A)	N/A	N/A	N/A	N/A	N/A
Inverter protection		Overload, overheat, short circuit, low battery, excess battery voltage ripple				
Battery monitor 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





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