

SPECIFICATION



ELECTRIC POWERPACKS | 1.25QE/1.50QE/3.50QE/3.75QE/3.100QE

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



ELECTRIC POWERPACKS

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.



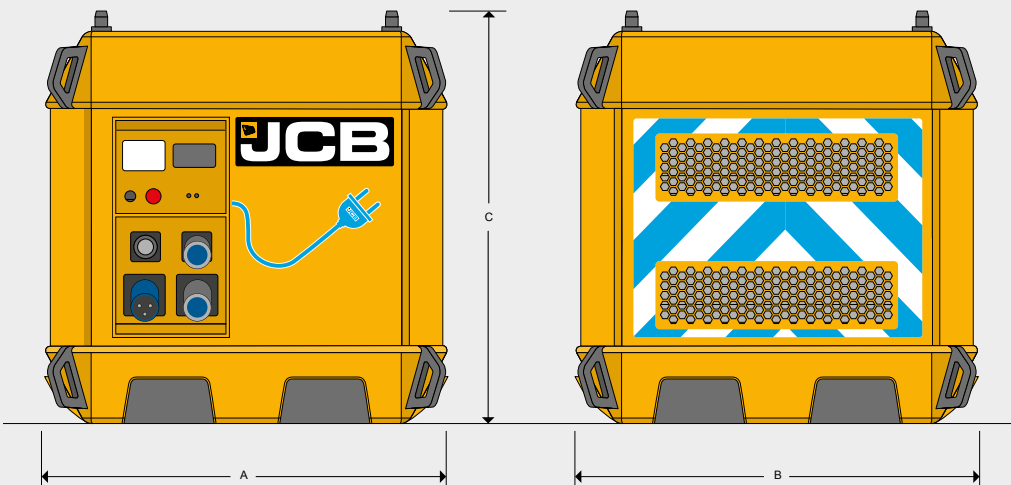
REDUCED COST

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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