

135 kVA

RATED OUTPUT

Replaces the site genset for tower cranes and hoists: the battery absorbs the motor inrush a diesel would be oversized for.

RATED ENERGY

54 kWh

RATED CURRENT

195 A @ 400 V

PEAK (10 S)

160 kVA

RESPONSE

<15 ms

SIC + LIQUID COOLING



Spike series containerised enclosure

APPLICATIONS

Tower cranes · Hoists · Placing booms · Static pile drivers · DTH drills · Mine elevators

TECHNICAL SPECIFICATION

BATTERY

Energy	54 kWh
Usable energy	49 kWh at 90% DoD
Cycle life	4,000 · 90% DoD & 70% EOL
DC voltage range	728 – 949 V

POWER OUTPUT

Rated output	135 kVA
Peak output	160 kVA
Voltage, frequency, phase	400 / 480 V · 3L/N/PE, 50 / 60 Hz
Rated current	195 A @ 400 V · 162.5 A @ 480 V
Hold time at rated output	22 min

CHARGING AND SOURCES

AC charge input	Max. 30 kW
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PHYSICAL AND ENVIRONMENT

Enclosure	IP54 · C4 salt-fog rating, Liquid cooling
Operating temperature	–20 to +60 °C
Dimensions (L x W x H)	1550 × 1300 × 1600 mm
Weight	1,550 kg ±50
Interfaces	CEE 32 A · CEE 63 A (3P5W) · Powerlock 400 A
Warranty	5 years

THE INRUSH

PEAKS ARE THE POINT.

Lifting motors draw multiples of their rated current at start. The Spike 135 answers with 160 kVA for ten seconds and up to 231 A peak, then settles back to a steady 135 kVA, recharging from a small feed between lifts.

PEAK (10 S)

160 kVA

5-MIN OUTPUT

145 kVA

PEAK CURRENT

231 A @ 400 V

RECHARGE

30 kW · 3-ph

WHERE THIS SITS IN THE RANGE

MODEL	OUTPUT	ENERGY	PEAK	L X W X H	WEIGHT	PARALLEL
Block 15	15 kW	33 kWh	120% for 10 min	1040 × 1092 × 1157 mm	670 kg	Max. 6 in parallel
Spike 135	135 kVA	54 kWh	160 kVA	1550 × 1300 × 1600 mm	1,550 kg ±50	
Power 250	250 kVA	153.6 kWh	250 kVA for 210 s	2250 × 1550 × 2200 mm	≈5,000 kg	Up to 8 units
Spike 270	270 kVA	108 kWh	320 kVA	1550 × 2050 × 1600 mm	2,200 kg ±50	
Power 300	300 kVA	316.4 kWh		2520 × 2100 × 2400 mm	≈7.5 t	Up to 8 units
Power 500	500 kVA	474.2 kWh		2900 × 2300 × 2400 mm	≤8.5 t	Up to 8 units