

# POWERSHIFT

## CP300

MANUFACTURED BY CRANEPOWER. DISTRIBUTED BY POWERSHIFT TECHNOLOGIES.

### BIG PEAK POWER IN A TINY FOOTPRINT

The CP300 is a drop-in, plug-and-play battery system specially designed for high peak power electric machinery. The battery system buffers intermittent peak loads in a far more efficient, cleaner and cost-effective way than a diesel generator.

Leveraging the latest in power conversion and battery technology, the CP300 can power tower cranes, hoists, stud welders and more, all from as little as an 8-32A input. This highly compact unit can also fit into space-constrained areas, weighs only 956kg and is incredibly simple to operate, ensuring quick and easy deployment.

- Eliminate your generator
- Charge from only 8-32A
- Provide up to 433A peak
- Quiet, continuous power
- Regenerative braking compatible
- Compact, portable and lightweight



MODEL	VOLTS	KVA	KWH	PHASE
CP300	360-440	300	28	3

### OUTPUT SPECIFICATIONS

Peak output power	300 kVA
Peak regenerative power	300 kVA
Peak output current	433A
Voltage	400V, 3-Phase + E (no neutral)
Frequency	50Hz
Phases	3
Output THD	< 3%
Output power quality	Exceeds EN50160

### INPUT SPECIFICATIONS

Peak input power	20kW (variable)
Input current	5A - 32A (adjustable)
Input voltage range	360V - 440V 3-Phase (no neutral)
Input frequency range	45Hz - 65Hz

### BATTERY SPECIFICATIONS

Battery Type	Li-Ion NMC
Battery design life (to 80% DoD)	10,000 cycles
Battery nominal capacity	28kWh
Operating temperature range	-20 to +45 °C
Protection Rating	IP69 flood proof battery enclosure
Maximum operating altitude	2000m above sea level

### PROTECTIONS

Output protection	MCCB + earth leakage detection
Short circuit current	900A (phase to phase), 1600A (phase to ground)
Surge protection	Yes
Emergency reserve power function	Yes
Maximum load imbalance	100% unbalanced
Maximum power factor	-1 to +1

### PHYSICAL SPECIFICATIONS

Dimensions (WxDxH)	1300 x 1000 x 1300 (mm)
Weight	956kg
Enclosure rating	IP65 (safety door closed)
Material	Epoxy-coated Stainless Steel
Design life	20 years

### CONNECTIONS

Input connections	1 x 32A CEE 4-Pin
Output connections	500A Powerlock (compatible with PowerSyntax and Powersafe)
Earth Connection	M12 Stud
Earthing system	TN-S



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# POWERSHIFT

P300

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## BIG PEAK POWER IN A TINY FOOTPRINT

The P300 is a drop-in, plug-and-play battery system specially designed for high peak power electric machinery. The battery system buffers intermittent peak loads in a far more efficient, cleaner and cost-effective way than a diesel generator.

Leveraging next generation power conversion and battery technology, the P300 can power multiple pieces of plant and equipment including tower cranes, hoists, stud welders and more, from as little as an 8-63A input. This highly compact unit can also fit into space-constrained areas, weighs only 1200kg and is quick and easy to deploy.

- Eliminate your generator
- Charge from only 8-63A
- Provide up to 440A peak
- Quiet, continuous power
- Regenerative braking compatible
- Compact, portable and lightweight

MODEL	VOLTS	KVA	KWH	PHASE
P300	360-440	300	85	3

### OUTPUT SPECIFICATIONS

Peak output power	300kVA
Peak regenerative power	300kVA
Peak output current	440A
Voltage	230V / 400V
Frequency	50Hz
Phases	3
Output power quality	Exceeds EN50160

### INPUT SPECIFICATIONS

Peak input power	5-40kW (adjustable)
Input current	8-63A (adjustable)
Input voltage range	260V - 530V
Input frequency range	50Hz

### BATTERY SPECIFICATIONS

Battery Type	Li-Ion NMC
Battery design life (to 80% DoD)	10,000 cycles
Battery nominal capacity	85kWh
Operating temperature range	-20 to +45 °C
Protection Rating	IP69 flood proof battery enclosure

### PROTECTIONS

Output protection	MCCB + earth leakage detection
Short circuit current	900A (phase to phase), 1600A (phase to ground)
Surge protection	Yes
Emergency reserve power function	Yes
Maximum load imbalance	100% unbalanced
Maximum power factor	-1 to +1

### PHYSICAL SPECIFICATIONS

Dimensions (WxDxH)	900 x 1450 x 1300 (mm)
Weight	1200kg
Enclosure rating	IP65 (safety door closed)
Material	Epoxy-coated Stainless Steel
Design life	20 years

### CONNECTIONS

Input connections	32A CEE 3-pin, 63A CEE 5-pin
Output connections	480A Powerlock, 63 CEE, 32A CEE, 3 x 16A Single-Phase Outlet
Earth Connection	M12 Stud
Earthing system	TN-S

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P150

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## BIG PEAK POWER IN A TINY FOOTPRINT

The P150 is a drop-in, plug-and-play battery system specially designed for high peak power electric machinery. The battery system buffers intermittent peak loads in a far more efficient, cleaner and cost-effective way than a diesel generator.

Leveraging next generation power conversion and battery technology, the P150 can power multiple pieces of plant and equipment including tower cranes, hoists, stud welders and more, from as little as an 8-63A input. This highly compact unit can also fit into space-constrained areas, weighs only 1050kg and is quick and easy to deploy.

- Eliminate your generator
- Charge from only 8-63A
- Provide up to 220A peak
- Quiet, continuous power
- Regenerative braking compatible
- Compact, portable and lightweight

MODEL	VOLTS	KVA	KWH	PHASE
P150	360-440	150	85	3

### OUTPUT SPECIFICATIONS

Peak output power	150kVA
Peak regenerative power	300kVA
Peak output current	220A
Voltage	230V / 400V
Frequency	50Hz
Phases	3
Output power quality	Exceeds EN50160

### INPUT SPECIFICATIONS

Peak input power	5-40kW (adjustable)
Input current	8-63A (adjustable)
Input voltage range	230V / 400V
Input frequency range	50Hz

### BATTERY SPECIFICATIONS

Battery Type	Li-Ion NMC
Battery design life (to 80% DoD)	10,000 cycles
Battery nominal capacity	85kWh
Operating temperature range	-20 to +45 °C
Protection Rating	IP69 flood proof battery enclosure

### PROTECTIONS

Output protection	MCCB + earth leakage detection
Short circuit current	900A (phase to phase), 1600A (phase to ground)
Surge protection	Yes
Emergency reserve power function	Yes
Maximum load imbalance	100% unbalanced
Maximum power factor	-1 to +1

### PHYSICAL SPECIFICATIONS

Dimensions (WxDxH)	900 x 1450 x 1300 (mm)
Weight	1050kg
Enclosure rating	IP65 (safety door closed)
Material	Epoxy-coated Stainless Steel
Design life	20 years

### CONNECTIONS

Input connections	32A CEE 3-pin, 63A CEE 5-pin
Output connections	480A Powerlock, 63 CEE, 32A CEE, 3 x 16A Single-Phase Outlet
Earth Connection	M12 Stud
Earthing system	TN-S

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