

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	300kVA
Peak regenerative power	300kVA
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	1x 32A CEE 4-Pin
Output connections	500A Powerlock (compatible with PowerSyntax and Powersafe)
Earth Connection	M12 Stud
Earthing system	TN-S



© POWERSHIFT TECHNOLOGIES PTY LTD 2025 | INFO@POWERSHIFT.TECH | SUBJECT TO CHANGE WITHOUT NOTICE

This document was updated in May 2025 and reflects specifications provided by product manufacturer, CranePower Ltd. While the manufacturer aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. Information on product data sheets may change, as well as legislation, therefore you are strongly advised to keep up to date with recently issues regulation, standards and guidelines. This document is not intended to be contractual.

POWERSHIFT

PS300

MANUFACTURED BY CRANEPower
DISTRIBUTED BY POWERSHIFT TECHNOLOGIES.



BIG PEAK POWER IN A TINY FOOTPRINT

The PS300 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 PS300 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
PS300	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



© POWERSHIFT TECHNOLOGIES PTY LTD 2025 | VERSION 2.0 UPDATED JULY 2025 - SUBJECT TO CHANGE WITHOUT NOTICE.

This document was updated in July 2025 and reflects specifications provided by product manufacturer, Cranepower. While the manufacturer aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. Information on product data sheets may change, as well as legislation, therefore you are strongly advised to keep up to date with recently issues regulation, standards and guidelines. This document is not intended to be contractual. For further information contact info@powershift.tech

POWERSHIFT

PS150

MANUFACTURED BY CRANEPower
DISTRIBUTED BY POWERSHIFT TECHNOLOGIES.



BIG PEAK POWER IN A TINY FOOTPRINT

The PS150 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 PS150 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
PS150	360-440	150	85	3

OUTPUT SPECIFICATIONS

Peak output power	150kVA
Peak regenerative power	300kVA
Peak output current	220A
Voltage	400V, 3-Phase + E (no neutral)
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



© POWERSHIFT TECHNOLOGIES PTY LTD 2025 | VERSION 2.0 UPDATED JULY 2025 - SUBJECT TO CHANGE WITHOUT NOTICE.

This document was updated in July 2025 and reflects specifications provided by product manufacturer, Cranepower. While the manufacturer aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. Information on product data sheets may change, as well as legislation, therefore you are strongly advised to keep up to date with recently issues regulation, standards and guidelines. This document is not intended to be contractual. For further information contact info@powershift.tech