

POWERSHIFT

CP300

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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



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