POWERSHIFT

P»300

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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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