

250

kVA
RATED OUTPUT

Pairs with the genset and lets it run at its sweet spot: the battery takes the peaks and the diesel burns half the fuel.

— RATED ENERGY

153.6 kWh

— PEAK POWER

250 kVA · 210 s

— RATED OUTPUT

150 kW

— RATED CURRENT

217 A

DG HYBRID · SEMS3000



Power series cabinet · modular battery packs

APPLICATIONS

Construction sites · Mining · Manufacturing · Emergency power · Outdoor events · Concrete batch plants

TECHNICAL SPECIFICATION

— BATTERY

Chemistry and energy	LiFePO ₄ , 153.6 kWh
Usable energy	138 kWh at 90% DoD
DC voltage range	600 – 876 V

— POWER OUTPUT

Rated output	150 kW
Peak output	250 kVA for 210 s · R load
Voltage, frequency, phase	400 V · 50 Hz, 3P + N + PE
Rated current	217 A
Hold time at rated output	55 min

— CHARGING AND SOURCES

AC charge input	150 kW
Generator support	≤400 kVA
Parallel capability	Up to 8 units

— PHYSICAL AND ENVIRONMENT

Enclosure	IP54, Intelligent thermal management
Operating temperature	–20 to +50 °C
Noise	<65 dB
Dimensions (L x W x H)	2250 × 1550 × 2200 mm
Weight	≈5,000 kg
Interfaces	3P + N + PE

WORKING MODES

ONE BATTERY. FOUR MODES.

In hybrid mode the generator holds its most efficient 50–80% load band while the battery rides the peaks. Island mode runs the site on battery alone, grid mode charges from the mains, and the EMS switches between them around the clock.

COMPATIBLE DG

≤400 kVA

DG LOAD BAND

50 – 80%

PARALLEL

Up to 8 units

OWNERSHIP COST

Up to –50%

WHERE THIS SITS IN THE RANGE

MODEL	OUTPUT	ENERGY	PEAK	L X W X H	WEIGHT	PARALLEL
Power 250	250 kVA	153.6 kWh	250 kVA for 210 s	2250 × 1550 × 2200 mm	≈5,000 kg	Up to 8 units
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