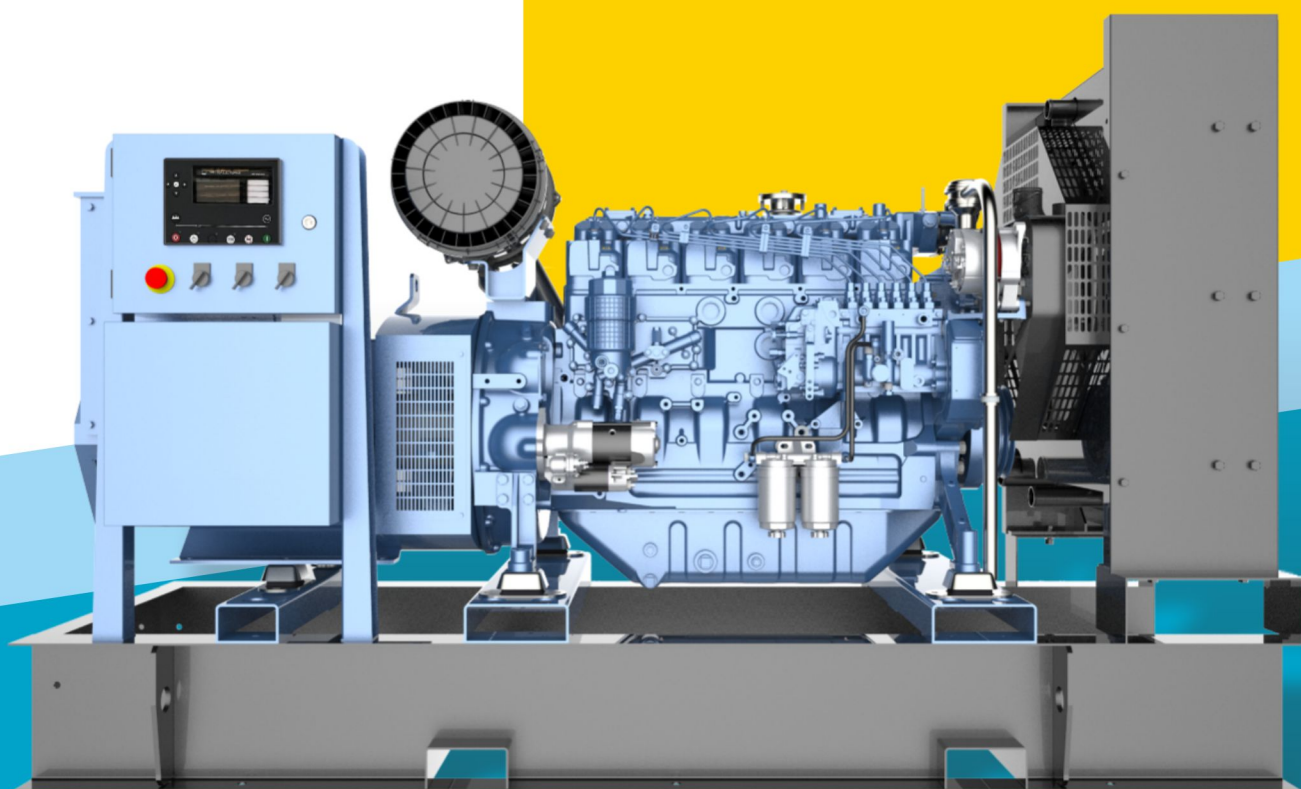




AMPER POWER

APC 550

***SINGLE SOURCE
MAXIMUM FORCE***



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APC 550

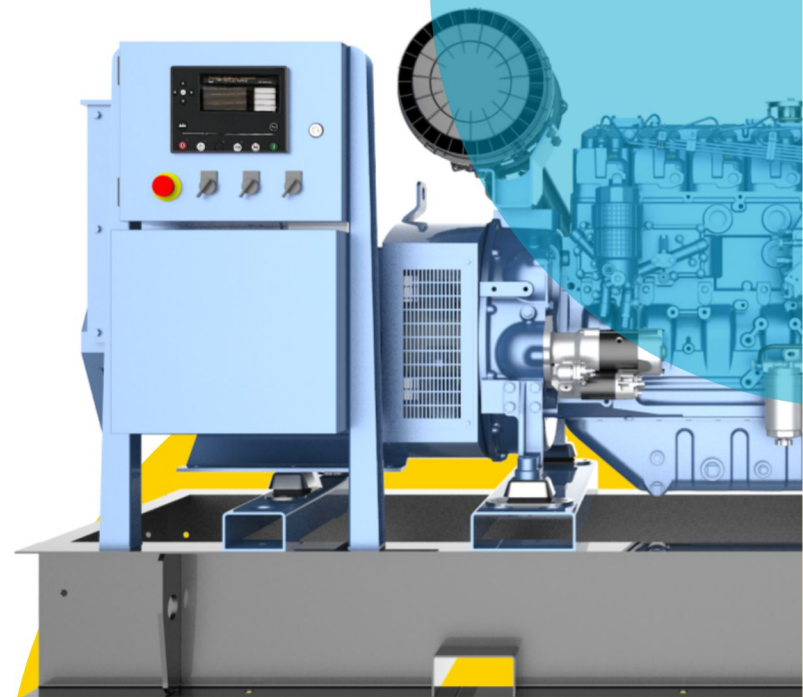
SINGLE SOURCE, MAXIMUM FORCE.

The APC 550 is a compact and efficient power generation system, minimizing space requirements while delivering reliable power across diverse applications with unmatched efficiency. The 550kVA generator offers stable voltage and frequency control, providing clean and reliable power output. Engineered with high thermal efficiency and durability, it is optimized for continuous operation in critical applications, ensuring long-term reliability. This makes it ideal for flexible deployment in remote sites, temporary power needs, or space-constrained environments. The APC 550 is the ultimate choice for any power generation requirement.

BUILT TO ENDURE, ENGINEERED TO DELIVER

Unmatched Performance	
Flexible Deployment	
Pure Power Output	
Cost-Effective Operation	

ADAPTABLE VERSATILITY



AMPER POWER



Space-Saving Powerhouse

A compact design with high power density minimizes space requirements without compromising on power output, making it the perfect solution for flexible deployment in remote sites, construction projects, or temporary power needs.

01



Spill-Containment Frame

Holds 110% fluid capacity for eco-safe operations.

02



Advanced Load Handling

The engine delivers unparalleled load handling capabilities, managing 100% load steps (ISO 8528-G2 at 70% load step) with exceptional precision and stability.

03



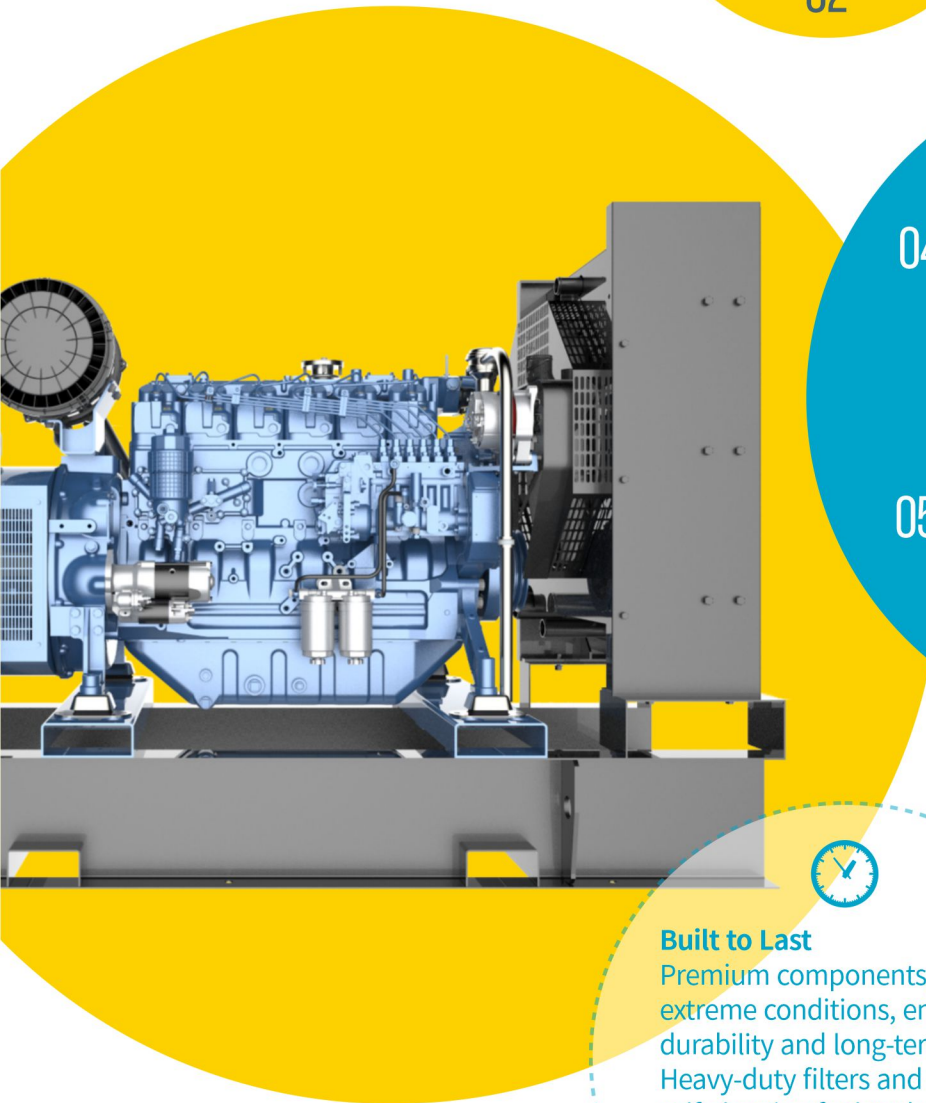
04 Scalable Power

Run standalone or parallel with other units, featuring island mode, PMS, and peak shaving capabilities.



05 Extreme Performance

Engineered for no power loss up to 43°C at 1000m altitude, ideal for harsh environments.



Built to Last

Premium components, tested in extreme conditions, ensure durability and long-term value. Heavy-duty filters and a near self-cleaning fuel tank minimize downtime for seamless operation.

06



AMPER POWER

TECHNICAL SPECIFICATIONS

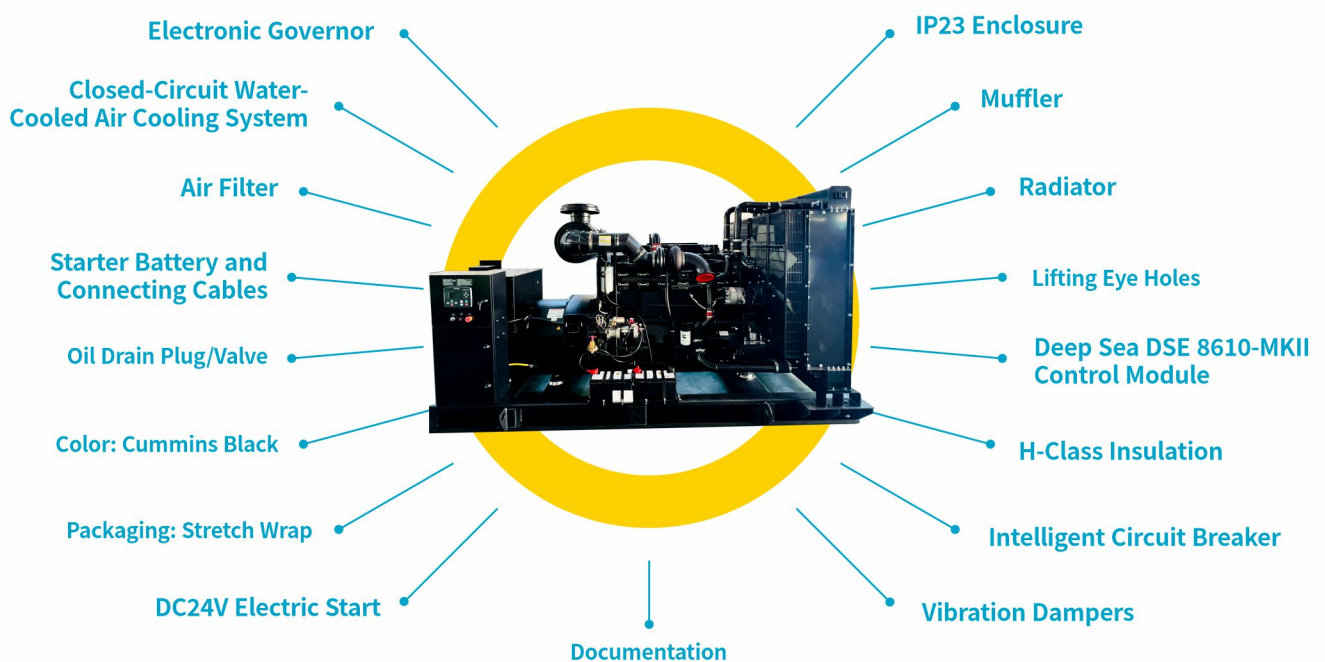
APC 550	
Capacity/Power (kVA/kW)	550/500
Continuous Power (kVA/kW)	440/400
Rated Voltage (V)	400/230
Rated Current (A)	720
Frequency (Hz)	50
Power Factor	0.8 (lagging)
Number of Phases	3
Fuel Consumption Rate @25% / 50% / 75% (L/h)	20.2/ 36.9 / 55.8
Fuel Consumption Rate @100% / 110% (L/h)	78.6 / 86.4
Noise Level @1m (dB•(A))	Open type≤105
Ambient Temperature (°C)	-10~45
Generator Set Performance Class	ISO8528-5 G2
Steady-State Voltage Deviation	≤±2.5%
Transient Voltage Deviation (100% Load Step)	≤+25% ; ≤-20%
Steady-State Frequency Band	≤1.5%
Transient Frequency Deviation (100% Load Step)	≤+12%; ≤-10%
Cummins Engine	
Model	KTA19-G4
Rated Speed (r/min)	1500
Continuous Power (kW)	441
Overload Power (kW)	485
Cooling Method	Closed-circuit water-cooled fan
Speed Control	Electronic governor / Electronically controlled high-pressure common rail
Intake Method	Turbocharged and intercooled
Configuration	6-cylinder, inline
Bore x Stroke (mm)	159x159
Displacement (L)	19
Starting System	24VDC
Total Coolant Capacity (L)	159
Lubricating Oil Capacity (L)	61
Cooling System Airflow (m³/min)	783.3
Exhaust Temperature (°C)	≤500
Recommended Airflow @ PRP (m³/min)	42.1
Exhaust Backpressure (mBar)	≤75
Radiator Design Temperature (°C)	45
Stamford Generator	
Model	S5L1D-C41
Excitation System	Brushless self-excitation
Protection Class	IP23
Voltage Regulation Range	≤±1%
Insulation Class	H
Winding Pitch	2/3
Support Method	Single-bearing
Deep Sea Electronics Control Module	
Model	DSE7320-MKII

CONTROL MODULE



- LCD backlight display.
- Automatic control of generator start-up and monitoring of unit parameters.
- Automatic control of generator parallel closing and opening according to settings.
- Monitoring of speed, frequency, voltage, current, oil pressure, coolant temperature, and fuel level.
- Displaying reasons for generator shutdown and alarms.
- Providing accurate monitoring and maintenance information for engine operating hours.

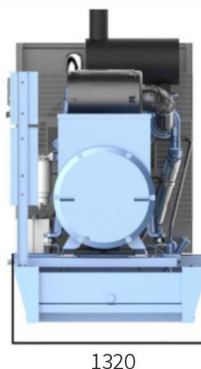
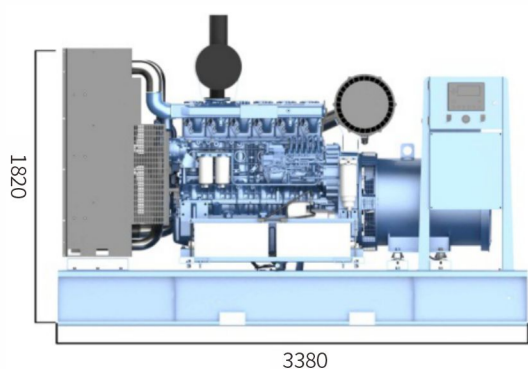
STANDARD CONFIGURATION



OPTIONAL

Line Voltage: 380V/415V	Line Voltage: 440V/480V	Single-Phase Voltage: 220V/230V
Automatic Transfer Switch (ATS)	Parallel Function	Permanent Magnet Generator (PMG)
Water Heating	Intake Heating	Generator Anti-Condensation System
External Fuel Tank (1000L/1500L)		

Soundproof Enclosure
Color and style can be customized to customer requirements.



Power (kW)	400
Length A (mm)	3380
Width B (mm)	1320
Height C (mm)	1820
Wet Weight (kg)	3260
Fuel Tank Capacity (L)	800

OUR COMMITMENT TO QUALITY



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