



## *1400kVA / 1120kW Prime Power Block*

DIESEL POWERED GENERATOR SETS REMAIN THE NUMBER-ONE CHOICE FOR DISTRIBUTED POWER, STANDBY AND EMERGENCY POWER SYSTEMS, WORLDWIDE. ABLE TO START AND ASSUME LOAD IN LESS THAN 10 SECONDS, AND RATED LOAD IN A SINGLE STEP, RPCONNECT-NOVOSOL DIESEL GENERATORS BASED ON CUMMINS ENGINES ARE THE EPITOME OF RUGGED DEPENDABILITY AND RELIABLE MECHANICAL AND ELECTRICAL PERFORMANCE. RPCONNECT-NOVOSOL DIESEL GENERATORS ARE WELL SUITED TO DISTRIBUTED GENERATION (DG) FACILITIES, PEAK SHAVING AND POWER MANAGEMENT AT LARGE COMMERCIAL OR INDUSTRIAL SITES.

RPCONNECT-NOVOSOL POWER BLOCKS ARE AVAILABLE WITH ECO TECHNICAL FUELS. CLEAN BURNING ECO DIESEL FUEL ENSURES LOW FUEL CONSUMPTION AND LOW EMISSIONS BEYOND STANDARDS SET FOR EVEN THE MOST SENSITIVE ENVIRONMENTS.

RPCONNECT-NOVOSOL WITH ECO FUEL POWER GENERATION IS A COMPLETE "POWER BLOCK" SOLUTION, ABLE TO DELIVER THE LOWEST COST PER KWH, THE LOWEST FUEL CONSUMPTION, THE LOWEST EXHAUST EMISSIONS THAT MEET THE MOST DEMANDING STANDBY OR PRIME POWER APPLICATIONS.

# ALL-IN POWER BLOCK SOLUTION



- **MINIMAL FOOTPRINT**
- **RAPID PRODUCT START UP**
- **FULL PCC SYSTEM**
- **PROVEN LONG TERM RELIABILITY**
- **MINIMAL CIVIL WORKS**
- **CONTAINERIZED DELIVERY**
- **REMOTE MONITORING**

## POWER BLOCK SPECIFICATIONS

**CUMMINS KTA50G3 TURBO AFTER-COOLED STAMFORD NEWAGE BACK END AND PMG GENERATOR**

**1400 KVA , 1120 kW CONTINUOUS RATED 220-480 V 60 HZ POWER SYSTEM**

GOVERNOR REGULATION CLASS	ELECTRONIC A1
BASE FUEL TANK	2000 LITERS
FREQUENCY REGULATION	ISOCRONOUS
CONSTRUCTION	STEEL CHASSIS, DUAL FEED, ANTI-VIBRATION MOUNTS, SUB FUEL TANK
COMPLIANCE	BS4999/5000 PT 99 VDE0530, UTE5100, CEMA, IEC 34, CSA A22.2, AS1359, BS5514, ISO 3046 ISO 8528
<b>ENGINE SPECIFICATIONS:</b>	
COMPRESSION	13:9:1
BORE & STROKE	159 X 159 MM
CONFIGURATION	60 DEG V-16
FUEL SYSTEM	DIRECT INJECTION, NUMBER 2 DIESEL
BATTERY CHARGING	35 AMPS
STARTING	24 VOLT, 1800 AMPS

VOLTAGE	
MAX RPM	1800
CONTROL	PREMIUM CONTROL PANEL AUTO START-STOP SAFETY SHUTDOWNS
COOLING SYSTEM	HIGH AMBIENT, STD DUTY AIR CLEANER HEAVY DUTY 351 L RADIATOR
<b>ALTERNATOR SPECIFICATIONS:</b> 60 HZ, 3-PHASE, 480 V	
DESIGN	BRUSHLESS 4-POLE DRIP PROOF REVOLVING FIELD PARALLELING CAP
POWER FACTOR	0.8
INSULATION	CLASS H
TELEPHONE INFLUENCE FACTOR	<50 PER NEMA MG1-22.43

SOUND ATTENUATED CONTAINER: DIMENSIONS:  
6759 MM LONG, 3096 MM TALL, 2479 MM WIDE,  
16182 KG DRY WEIGHT

### Fuel Consumption & Lubrication:

**Fuel at 100% Full Load: 76 GPH / 291 LPH,  
0.25 L per kWh**

**Lubrication Capacity: 177 liters**

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