mahindra Rise

powerol BY mahindra

Powering The Growth Journey of The Nation

CPCB IV+ Range - 250 kVA - 320 kVA

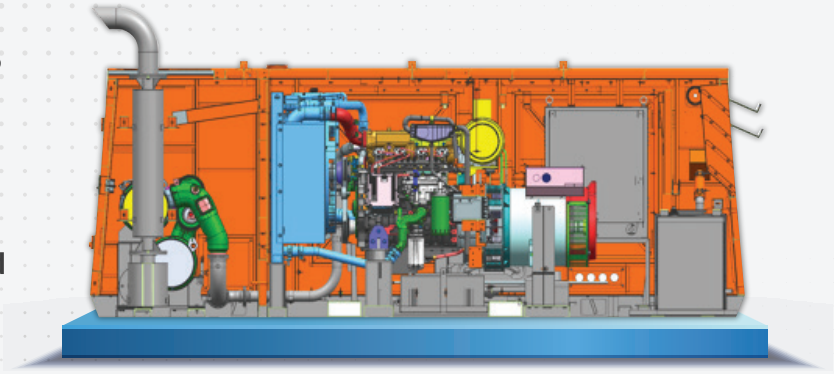
- Best-in-class Fuel Efficiency
- Small Footprint
- Excellent Block Loading Capacity
- Lowest Cost of Ownership
- Widest Sales & Service Network

Engine

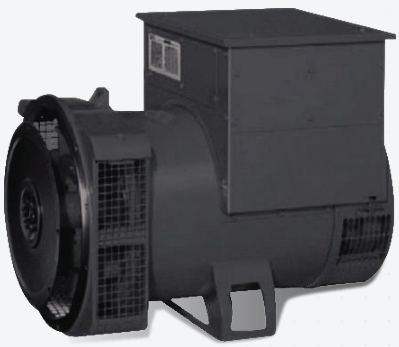
- Lowest fuel consumption
- Dry type air cleaner with service indicator with lube oil & coolant
- Engine with Electrical Starter Motor
- Engine With battery charging alternator

Acoustic Enclosure

- Designed to meet stringent MoEF/ CPCB norms
- Designed to operate in extreme climatic conditions in temperatures ranging from -10°c to 55°c without any external aid
- Long lasting superlative fade resistant paint



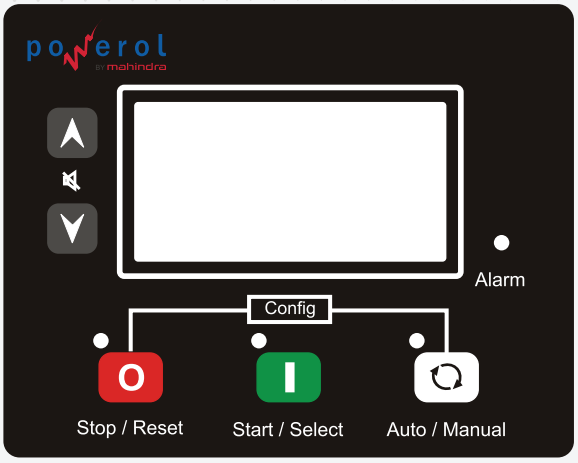
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material (PU Foam/Rockwool) for better safety
- Easy access for serviceable parts
- Pre - treatment process with UV resistant powder coating of all parts
- Engine and alternator are mounted on a common base frame with AVM pads



Alternator

- Brushless screen protected, Drip proof, Self-excited, Self regulated IS/IEC60034-1
- A reliable long life with superior class 'H' insulation
- Ease of maintenance with integrated components and outboard Exciter/Rotating Rectifier
- Sealed bearing for lesser maintenance & longer life

Controller (10 kVA - 320 kVA)



- The GC1114 with full graphic LCD display (back-lit with power save mode). It supports Auto (AMF, remote start/stop, cyclic) and Manual modes
- Measures voltage and frequency (1ph/3ph) for mains and genset
- Auto Exercise Mode (2 events) for pre-set start/stop
- Monitors engine safety parameters via analog resistive sensors and digital inputs
- Includes totalizers (starts, hours, kWh, kVAh), event log (100 entries with RTC), and parameter configuration via PC or control keys. Multi-level password protection prevents tampering

Control Panel

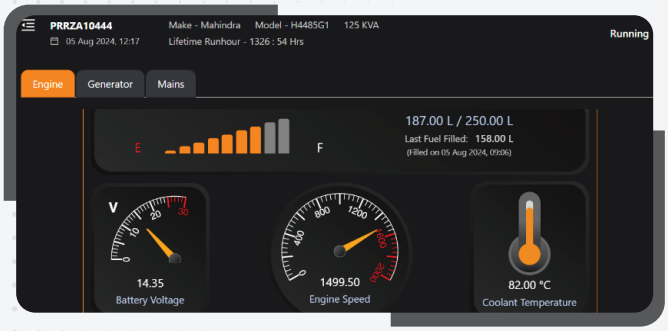
Powder Coated Control Panel for weather-proof and long lasting finish. The control panel consists of the following parts:

- Power Cable/Bus bars with suitable capacity with incoming/outgoing terminals.
- Indicator lamps for 'Load on' and 'Set Running'.
- Battery Charger 1 X 12 / 24 Volts DC
- Fuses/MCBs for control circuit safety protection
- MCCB of suitable rating with short circuit protections.

Optional Accessories

- Cold Starting System
- PMG Alternator, Space heater, RTD/BTD
- Auto Manual Fail/Auto Transfer Switch/ Sync Panel. RMS from 10kVA Onwards

Remote Monitoring System



- RMS is standard scope above 75 kVA IOT incorporated for continuous remote monitoring of engine operational parameters like running hours, health, RPM, logs of the error and operational parameters through app and web - based platforms
- Helps in monitoring of generator or entire fleet of generators from anywhere, any time ensuring good health and efficiency of the generator
- Can be available for other range also it required

Smart Generator Management Solutions

- Receive timely notifications for maintenance checks (A Check/B Check), ensuring you never miss a critical service moment
- Tailor preventive maintenance schedules to the specific needs of your generators, enhancing their efficiency and reliability
- Automate maintenance tasks to stay ahead of potential issues, minimizing downtime and prolonging equipment lifespan
- Keep track of each fueling event to ensure accuracy and deter theft
- Examine fuel consumption patterns to pinpoint inefficiencies and improve fuel efficiency
- Boost operational transparency with our generator fuel traceability system, enabling precise fuel tracking and management

TECHNICAL SPECIFICATIONS

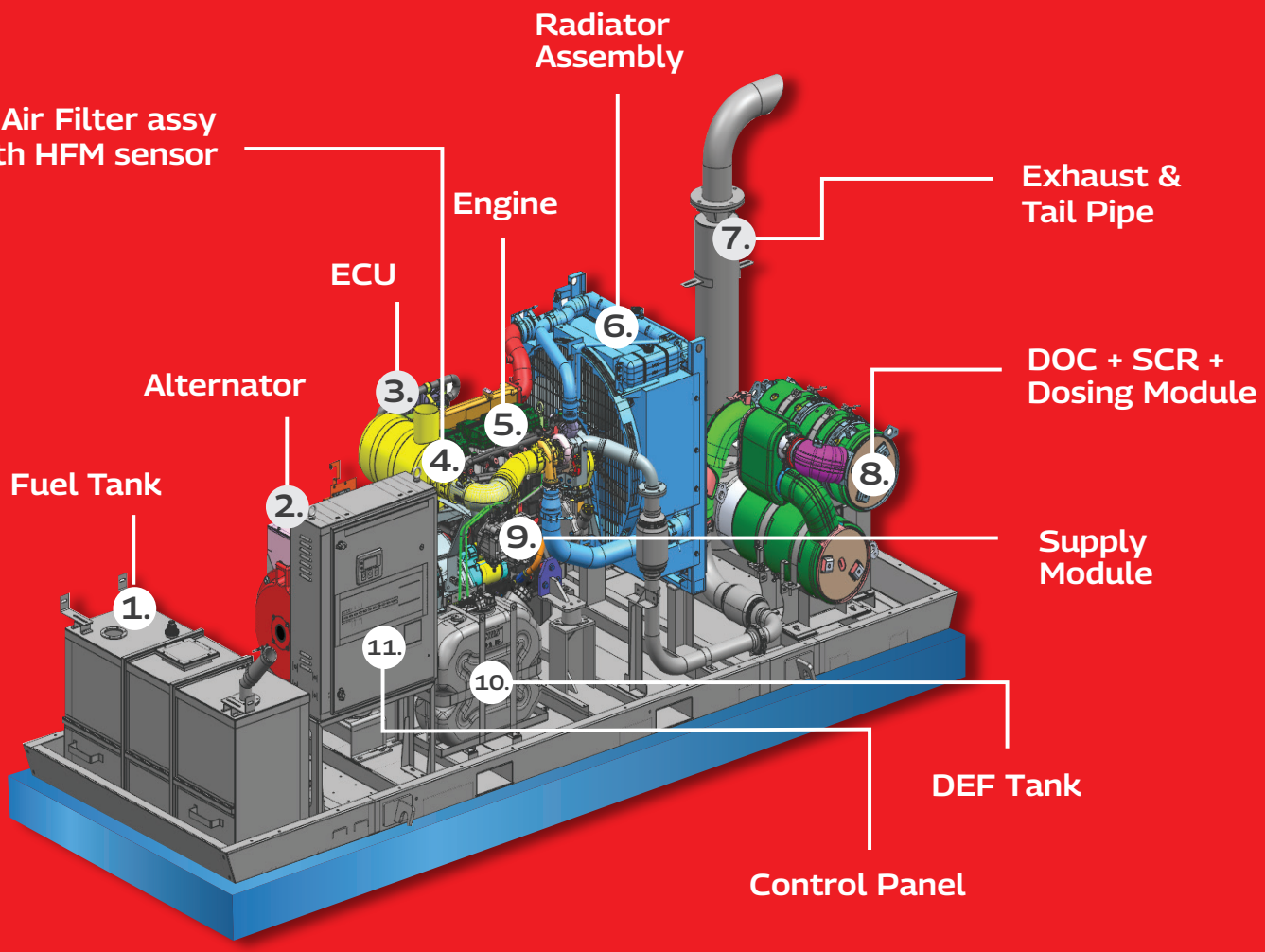
Genset Rating (kVA)	250	320
DG Model	M250DR	M320DR
Power Rating (kWe)	200	256
No. of Phases	3	3
Output Voltage (V)	415	415
Power Factor (lagging)	0.8	0.8
Current (A) (1 Phase / 3 Phase)	348	445
Frequency (Hz)/ RPM	50/1500	50/1500
Governing Class	G3	G3
Starting System (volt)	24	24
Fuel Tank Capacity (lit)	425	570
Genset Weight Dry	3850	3920
Genset Dimension (LxWxH) (mm)	4400 x 1600 x 1850	4750 X 1600 X 2000
Controller Model	GC 1116	GC 1116
Engine Specifications		
Make	Mahindra	Mahindra
Model	H6935G1	H6935G2
Fuel system	Electronic	Electronic
Rated Power Output (Hp)	310	390
Compression Ratio	17.2:1	17.2:1
Aspiration	TCIC	TCIC
No. of Cylinders	6	6
Bore x Stroke (mm)	116.6 X 146.1	116.6 X 146.1
Displacement (Ltr)	9.3	9.3
Lube Oil Specification	15W40 CI4+	15W40 CI4+
Total Lube Oil capacity (lit)	35	35
Lube Oil Change Period (hrs.)	500Hrs	500Hrs
System (Engine & radiator) Coolant Capacity (lit)	31	31
DEF Capacity (Lit)	50	50
Alternator Specifications		
Make	CG/LS/Equivalent	CG/LS/Equivalent
Enclosure Type	IP23	IP23
Voltage Regulation	+/- 1%	+/- 1%
Class of Insulation	H	H
Maximum Unbalanced load across Phases	25%	25%
Total Harmonic distortion	AT NO LOAD <2.5%	AT NO LOAD <2.5%

All Specifications are at Standard NTP operating conditions

• # Engine Power at 100 % load • * Represents the Standby Ratings • Standard warranty of 2 Years/5000 Hours, 5 Years 5C warranty

Disclaimer: Technical data and specifications are subject to change without notice.

Key Components



Applications

Infrastructure / Industry / IT/ITES / Hospitality / Healthcare / Real Estate / Government Sector / Logistics

Mahindra & Mahindra Ltd.,
Mahindra Powerol
MHEL, 1st Floor, Gate No. 12, A-1/1,
Talawade Chakan Rd, Chakan Industrial Area,
Phase-IV, Nigoje, Maharashtra, 410501.

Dealer Stamp