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powerol
BY mahindra

POWERING THE GROWTH JOURNEY OF THE NATION

High Performance Gensets are now

Presenting **CPCB IV+** Compliant Gensets



SHARDA DIESELS PVT. LTD.

ISO 9001:2015, 14001:2015 & 18001:2007 Certified Company.

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Range available for all Diesel & Gas Gensets
10kVA TO 320kVA



Low Maintenance



400 Sales & Service Touch Points



Product Life Cycle Support



Best-in-class Fuel Efficiency



Superior Performance



Excellent Block Loading Capacity



IOT Feature

Visit us at : www.shardadiesels.in

Product Salient Feature

- Low operating & maintenance cost with service interval of 500Hrs/1 Year
- Wide Service Support Network across PAN India
- Supply to various rugged applications
- Proven engine in industry
- CPCB IV+ Compliant
- Remote Monitoring System as a standard feature
- Single Window Warranty Policy
- Sales, Service, Spares, Warranty under one umbrella
- Low footprint
- >Standard warranty of 2 Years/5000 Hours whichever is earlier for complete genset
- >5C Warranty for 5 Years/5000 Hours whichever is earlier



Engine

- Mahindra Electronic Engine, In-Line 4 stroke, radiator cooled engine
- CRDI engine with Low fuel consumption
- Dry type air cleaner with service indicator
- First fill of lube oil, coolant & DEF
- Electrical starter motor with soft start system
- Battery charging alternator
- 1 X 12 Volts DC battery



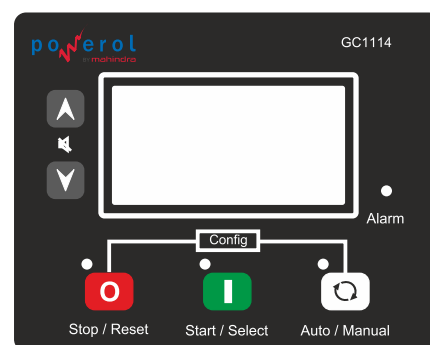
Alternator

- Brushless type, screen protected, revolving field.
- Self-excited alternator conforming to IS/IEC 60034-1
- A reliable long life with superior class 'H' insulation
- Higher motor starting capability.
- Better transient response
- Ease of maintenance with integrated components and outboard Exciter/Rotating Rectifier
- Lighter and more compact with sealed bearings for lesser maintenance and longer life



Controller

- SEDEMAC GC111X is a powerful ARM microprocessor based genset monitoring, metering and control system with full graphics LCD display for easy front panel access
- AMF, manual and remote start/stop modes for 1-ph & 3-ph gensets
- Backlit and full graphics display with power saving feature
- Engine parameter monitoring -Lube oil pressure, Engine coolant temperature, Fuel level, Battery voltage, Engine running hours
- AC Alternator parameter monitoring -Voltage L-N & L_L,
- Current, kW, kVA (Phase & Total), Frequency, kWh, PF
- Genset Protection:
 - Engine: Low lube oil pressure, High coolant temperature, Battery High/Low Volts, Fail to Start, Sensor failure, Low fuel level, Over speed
 - AC Alternator: Over/Under Voltage, Over/Under Frequency, Loss of AC sensing, Over frequency, Over Current, KW Overload, Unbalancing load
 - Maintenance notification based on Engine Run Hour & due date
 - Communication: USB port, RS485, CAN
 - Fully configurable via front panel



Applications



Hospitals



Industries



Infrastructure



Business & offices

Genset kva	Genset Rating (kw)	Alternator Phase Option	Engine Model CPCB IV+	No of Cylinder	Rated Power Output# (HP)	Conopy sizes LxWxH in mm. Height w/o silencer	Fuel Tank Capacity in Ltr
5	5	1 Ph	KD15-441GS14	1	8.2	1050 x 700 x 745	15
10	8	1 Ph/3Ph	M2155G1	2	16.3	1750 x 900 x 1250	55
15	12	1 Ph/3Ph	M2155G2	2	18	1750 x 900 x 1250	55
15	12	1 Ph/3Ph	M3205G1	3	22.7	1990 x 900 x 1330	75
20	16	1 Ph/3Ph	M3205G2	3	25.2	1990 x 900 x 1330	75
20	16	1 Ph/3Ph	M3205G3	3	30.5	1990 x 900 x 1330	75
25	20	1 Ph/3Ph	M3205G3	3	30.5	1990 x 900 x 1330	75
25	20	1 Ph/3Ph	M3205G4	3	35.1	1990 x 900 x 1330	75
30	24	1 Ph/3Ph	M3205G5	3	40	2325 x 980 x 1330	115
35	28	1 Ph/3Ph	M3205G5	3	40	2325 x 980 x 1330	115
40	32	1 Ph/3Ph	M4275G1	4	51.8	2325 x 980 x 1330	115
45	36	1 Ph/3Ph	M4275G1	4	51.8	2325 x 980 x 1330	115
50	40	3Ph	V4355G1	4	65.4	2600 x 1130 x 1575	156
58.5	46.8	3Ph	V4355G2	4	75.5	2600 x 1130 x 1575	156
75	60	3Ph	V4355G3	4	101.3	3190 x 1225 x 1575	169
82.5	66	3Ph	V4355G4	4	101.3	3190 x 1225 x 1575	169
100	80	3Ph	H4485G2	4	126	3950 x 1350 x 1425	250
125	100	3Ph	H4485G1	4	156	3950 x 1350 x 1425	250
160	128	3Ph	H6725G2	6	199	4201 x 1400 x 1745	388
180	144	3Ph	H6725G3	6	223	4201 x 1400 x 1745	388
200	160	3Ph	H6725G4	6	247	4201 x 1400 x 1745	388
250	200	3Ph	H6935G1	6	310	4750 x 1600 x 2000	425
320	256	3Ph	H6935G2	6	390	4750 x 1600 x 2000	570

Acoustic Enclosure

- Specially designed to meet stringent MOEF/CPCB norms
- Designed to operate in extreme climatic conditions in temperatures ranging from -10 deg to 55 deg without any external aid
- Superlative fade resistant paint can last longer in tough weather conditions
- Draw out type fuel tank for easy maintenance
- Fire retardant acoustic and insulation material (PU Foam/Rockwool) for better safety
- Lowest foot print
- Easy access for serviceable parts
- Pretreatment process with UV resistant powder coating of all parts
- After Treatment System (ATS) for Emission compliance
- Engine and alternator are mounted on a common MS
- fabricated base frame with AVM pads
- Ease in fuel filling (Outside Canopy)

