

# SALIENT FEATURES OF UNITRON MAKE WIND GENERATORS

**HIGHLY REFINED AND ENGINEERED FOR RELIABILITY AND PERFORMANCE, HIGHEST BUILD QUALITY IN ITS CLASS**

SUPERIOR GRADE MAGNETS FOR LONG LIFE

HIGH GRADE STATOR LAMINATIONS FOR SUPERIOR PERFORMANCE

TRIPLE INSULATION PLUS “DIATHON” EPI COAT TO ENSURE RESISTANCE AGAINST INCLEMENT WEATHER CONDITIONS TO PROTECT STATOR

RESIN CAST VACCUM IMPREGNATED STATOR COILS

UNIQUE CONFORMAL COAT / TREATMENT ON ALL PARTS

HIGH PERFORMANCE SEALED DUAL TRACK BALL BEARINGS FOR LONG LASTING AND SMOOTH PEROFRMANCE

STAINLESS STEEL YAW SHAFT SYSTEM WITH NON SLIP COPPER ALLOY RINGS

ALLOY COPPER BRUSH CONTACTS ON YAW BEARING ENSURE Nx360° YAW ROTATION FOR WIND GENERATOR., NO LOCKING OF CABLES / UNWINDING OF CABLES ARE NEEDED.

TRUE ANGLE GOVERNING COMPLIMENTED BY CONTROLLER TO PREVENT OVERSPEEDING OF ROTOR

HIGH PERFORMANCE CARBON FIBRE COMPOSITE REINFORCED ROTOR BLADES TREATED WITH SPECIAL EPOXY RESINS AND HIGH GLOSS PU COAT

CAREFUL LAYERING TECHNIQUE COMPLIMENTED BY METICULOUSLY BALANCED LIGHT WEIGHT CARBON FIBER BLADES ENSURE SMOOTHEST OPERATION UNDER ALL CONDITIONS, THIS EXTENDS THE LIFE OF GENERATOR

HIGH EFFICIENCY LOW COG LOSS PERMANENT MAGNET RADIAL FLUX ALTERNATOR WITH EFFICIENCIES EXCEEDING 87 %.

UNIQUE ANGLE GOVERNING MECHANISM ENSURES HIGH POWER PRODUCTION EVEN BEYOND FURLING SPEEDS > 60KMPH WHERE, MOST COMPETITIVE MODELS THE POWER DROP IS SIGNIFICANT.

STABLE 18M TRIANGULAR LATTICE TOWERS CAN WITHSTAND WIND SPEEDS > 150KMPH. 18M IS MINIMUM HEIGHT RECOMMENDED.

FEATURE RICH ELECTRONIC MICRO-CONTROLLER FOR ENERGY MANAGEMENT, LOW END POWER BOOST MPP REGULATOR. ENSURES, EFFICIENT ENERGY TRANSFER, PROTECTION BY CONTINUOUS RPM MONITORING ETC.

