

OG9777

LEGEND
GND - GROUND STUD
IM - IGNITION MODULE
HM - HOUR METER
LOP - LOW OIL PRESSURE
SC - STARTER CONTACTOR
SM - STARTER MOTOR
SP - SPARK PLUG
SV1 - START-RUN-STOP SWITCH

The diagram illustrates the electrical system for a generator set. It includes a generator with a stator and a 47μF capacitor. The control panel contains a 27A/2P 6.5kV circuit breaker (C.B.), a 120/240V 30A twistlock, two 120V/20A GFCI outlets, two 20A/1P circuit breakers (C.B.), a low oil shutdown module, and an AC battery charger. The engine components include an ignition module (IM), hour meter (HM), low oil pressure (LOP) sensor, starter contactor (SC), and starter motor (SM). The diagram shows the wiring for the generator's output, the control panel's internal connections, and the engine's electrical system, including the starter motor and battery.

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WIRING DIAGRAM:
 The diagram illustrates the electrical connections for a generator system. The generator has two main windings: an **EXCITATION WINDING** and a **POWER WINDING**.
 - The **EXCITATION WINDING** (terminals 2, 6) is connected to a 47µF capacitor and a 120V/20A GFCI.
 - The **POWER WINDING** (terminals 1, 11, 22, 44) is connected to a 120V/240V 30A TWISTLOCK, a 120V/20A GFCI, and a 12V BATTERY.
 - The 12V BATTERY is also connected to an AC BATTERY CHARGER, a FUSE (1.5A SLO-BLO), and a LOW OIL SHUTDOWN MODULE.
 - The LOW OIL SHUTDOWN MODULE is connected to the IM (Ignition Module) and the SP (Starter Plug).
 - The SW1 (Start-Run-Stop Switch) is connected to the BATTERY and the IM.
 - The SC (Starter Contactor) is connected to the BATTERY and the SM (Starter Motor).
 - The HM (Hour Meter) is connected to the POWER WINDING and the BATTERY.
 - The LOP (Low Oil Pressure) switch is connected to the BATTERY and the LOW OIL SHUTDOWN MODULE.

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[illegible]

ALL DIMENSIONS AND
TOLERANCING PER
ASME Y14.5M-1994

ALL XX DIM	----	± 0.4 MM
ALL XX.X DIM	---	± 0.4 MM
ALL XX.XX DIM	--	± 0.15 MM
ALL ANGLES	----	$\pm 1^\circ$

EV
A