



TS&M SUPPLY

PRODUCTION AUTOMATION

The SE200 Oilwell VFD packages can range from 5-200HP and 230-60V. The standard package includes a door mounted on/off switch and speed pot for manual speed control. We also provide prewired terminal connection for the field connected shutdowns. All of our enclosures come with enclosure heating and enclosure cooling designed for ambient temperatures of -40°C to $+40^{\circ}\text{C}$.



Our packages include the WEG CFW11 VFD, which has voltage regulation software to allow for automatic DC bus regulation. This software allows the VFD to operate electric motors on pump jacks without the use of dynamic braking resistors. The software works well even with wells that are extensively out of balance. If required we can add

Dynamic braking resistors, line/load impedance reactors and harmonic filters to any package. We can also custom build provisions into the VFD package for heat trace, chemical pumps, well shutdown plugs and communications, etc. Any customer requirements are able to be accommodated as Select Electrical Enterprises Ltd. Is a CSA certified panel shop and we are able to design and certify all types of VFD packages.

**SELECT
ELECTRICAL**
ENTERPRISES LTD.

**CUSTOM OIL
WELL PACKAGES**
230-600V
5-200HP

**AUTOMATIC
VOLTAGE
REGULATION
SOFTWARE
(ALLOWS VFD TO
OPERATE
WITHOUT THE
USE OF DYNAMIC
BRAKING
RESISTORS)**

**BUILT TO
CUSTOMER'S
SPECIFICATION**

**VFD
INTEGRATION
WITH PUMP OFF
CONTROLLERS**

**CSA
CERTIFICATION**

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WWW.TSMSUPPLY.COM



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The SE200 Oilwell package is also available with fully integrated pump off control options. We have designs to incorporate the following pump off controllers into our packages: BEPOC Pump Off Controller, GENESIS Pump off Controller, and Lufkin SAM Pump Off Controller. With the Pump Off Control packages we have different options.

Option 1: Any pump off controller can be completely integrated into the VFD package including the HMI, hand off auto control, shutdown relays, power supply, etc. This package is completely self-contained in the enclosure as displayed below.



Option 2: A self-contained POC is added to our SE200 Oilwell Package. This option has the same functionality as the completely integrated package but has the POC externally mounted on the VFD packaged as displayed here.



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