



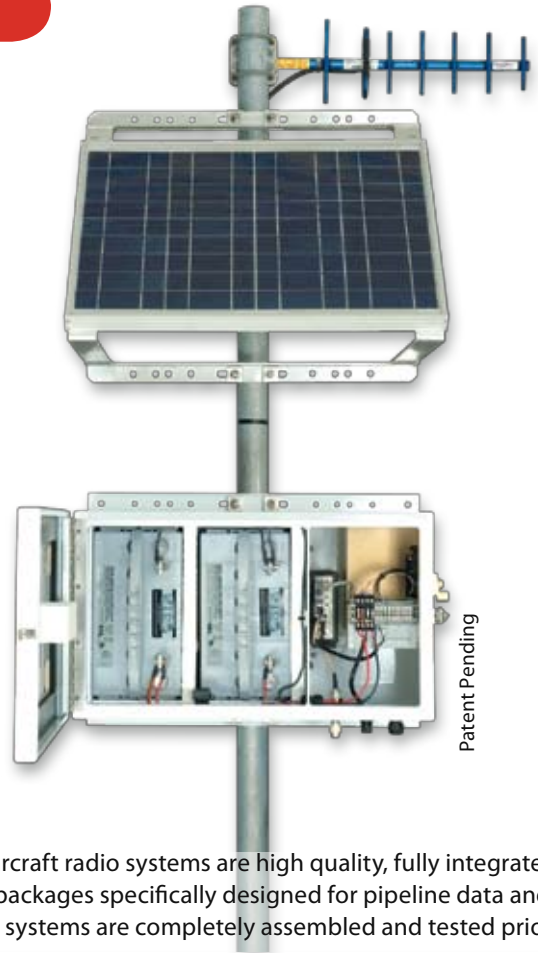
Radio Systems for Pipeline Data and Communications

Class I Division II Certified Solar Systems Available

SOLARCRAFT
POWER PRODUCTS



▲ Solaradio (pictured on the left) transmits information from a TotalFlow computer at a custody transfer station



Patent Pending

Using your radio or ours, Solarcraft radio systems are high quality, fully integrated power and communications packages specifically designed for pipeline data and natural gas measurement. All systems are completely assembled and tested prior to shipment.

The Solaradio™ is a NEMA 3R/4X system, available in both solar power or DC-UPS packages. Solar powered packages can be certified Class I Division II (CID2) where required. The specialized aluminum enclosure is divided into two compartments by a welded bulkhead. The battery compartment is Listed Type 3R to vent the batteries. The electronics compartment is Listed Type 4X to protect the electronics. Recognized or approved lightning protection, and DIN rail mounted fused terminal blocks complete the system.

Both solar and DC-UPS Solarradio systems can power most flow computers and related EFM equipment, in addition to the radio. Both are available in one or two battery configurations. To complete our line, our low cost Econo-Radio™ system is a basic NEMA 3R enclosure, with radio, solar panel or DC-UPS power supply, and 110Ah battery.

Features

- ▶ Heavy gauge aluminum enclosure with mounting holes, all stainless hardware and lockable compression latch.
- ▶ High reflectance white powder coated finish keeps batteries cool
- ▶ Includes lightning protection and fused disconnects for all power connections.
- ▶ Five year system warranty; battery is prorated.
- ▶ 110Ah deep cycle gel cell battery provides 20+ days of autonomy.
- ▶ Available as a unitized package, or with a detached solar module.
- ▶ Code compliant when installed with rigid conduit or armored cable.
- ▶ CID2 certified systems available

We can package most manufacturer's radios.

We can package most manufacturer's radios.

DC-UPS Solaradio

A Solaradio system with a 30W DC-UPS power supply and 110Ah battery is suitable for almost all single-run flow computers. For heavier loads, a 100W DC-UPS power supply with one or two 110Ah batteries will power systems with heavy transmit duty cycles or repeaters.

DC-UPS Features:

- ▶ Universal input 85–265 VAC
- ▶ Power factor corrected
- ▶ Designed for outdoor use
- ▶ Temperature compensated battery charging
- ▶ Low voltage disconnect
- ▶ LED status indicators
- ▶ Loss-of-power alarm contacts
- ▶ Low noise, filtered output
- ▶ Glitch-less switchover
- ▶ Input and Output magnetic circuit breakers
- ▶ Surge arrestor
- ▶ Reverse polarity protection

Solaradio Packages



▲ Solar powered single battery configuration: 110Ah battery, 40W or 50W solar panel, solar controller, load terminal for flow computer, and radio.



▲ Solar powered two battery configuration: two 110Ah batteries, 85W solar panel, solar controller, load terminal for flow computer, and radio.



▲ DC-UPS Solaradio with 100W DC-UPS power supply, load terminals for flow computer, radio, and two 110Ah batteries for heavy transmit duty cycles.

Econo-Radio Packages



▲ Solar powered Econo-Radio with solar controller, 40W or 50W solar panel, and 110Ah battery, load terminals, and radio.



▲ DC-UPS Econo-Radio with 100W DC-UPS power supply, and 110Ah battery, load terminals, and radio.

Solarcraft, Inc.

4007C Greenbriar Drive
Stafford, Texas 77477
877-340-1224 toll free
281-340-1224 local
281-340-1230 fax
www.solarcraft.net

SOLARCRAFT
POWER PRODUCTS

radio.rev5