## DPI/3DPI

Digital ProcessPower Inverter

INDUSTRIAL PWM INVERTER POWER SUPPLY SYSTEM SINGLE PHASE THREE PHASE

## DPI/3DPI



## Industrial Pulse Width Modulated Inverter

## DPI SINGLE PHASE 5-100 kVA

## 3DPI THREE PHASE 10-125 kVA

The Digital ProcessPower Inverter (DPI) from AMETEK Solidstate Controls is a true on-line inverter system that provides continuous, clean, regulated power for critical AC loads. Designed specifically for process control and industrial applications, the DPI systems utilize state of the art Pulse Width Modulation (PWM) technology, incorporating high power ICBT semiconductors, and digital control for enhanced communications, monitoring, control and diagnostics capabilities.
Also essential to the DPI design is the use of fiber optic cables for control and communications; allowing for better isolation and faster, more accurate signals between processors. The DPI designs also include an LCD panel and user-friendly touch screen display for the ultimate in user control.

- True on-line inverter system
- Designed specifically for process control and harsh industrial applications
- High power IGBT semiconductors and digital control
- Fiber optic cables used for control and communications
- LCD panel and user-friendly touch screen display
- Offers a better transient response to step-load changes
- Digital ProcessPower has lower audible noise


## The Power Behind the Process



PROCESSPOWER
UPS SYSTEM
LCD AND TOUCH SCREEN USER PANEL

Shown with optional indicator lights

## Keypad Controls and Switches

- Inverter to Load with Light
- Bypass to Load with Light
- Static Switch Reset Retransfer
- Latching Alarm Reset
- Audible Alarm Silence
- Display On
*Standard LED Indicators: UPS Normal and UPS Trouble


## Standard LCD Panel Indicators

- Inverter Status (OK/Fail)
- Synchronism Status (In/Out of Sync)
- Static Switch Position (Inverter or Bypass)
- Manual Bypass Position (Normal or Bypass)
- Bypass Status (OK/Fail)


## DPI Specifications




## 3DPI Specifications





# SERVICE OPTIONS 

AMETEK Solidstate Controls' products are known for their high quality. To keep them running smoothly, do not trust the maintenance of them to just anyone. No one will have the in-depth knowledge and familiarity as we do. We care about our products and we provide superior service agreements that ensure your critical power equipment continuously functions as designed.
We offer three levels of multi-year service agreements, designed to support our preventative maintenance schedules.

| General Services | Basic | CSA ${ }^{1}$ | CSA+1 |
| :---: | :---: | :---: | :---: |
| Pre-Inspection Interview | Annually | Annually | Annually |
| Post-Inspection Interview | Annually | Annually | Annually |
| Detailed Service Report | Annually | Annually | Annually |
| UPS/Inverter/Charger Services | Basic | CSA | CSA+ |
| Visual Inspection | Annually | Annually | Annually |
| Scheduled Parts Replacement | Every 5 Years | Annually | Annually |
| System Operational and Functional Testing | Every 5 Years | Annually | Annually |
| Infrared Scanning/Thermal Imaging | Optional | Annually | Annually |
| Battery Inspection \& Continuity Test | Basic | CSA | CSA+ |
| Visual Inspection | Annually | Annually | Annually |
| Individual Cell Voltages | Every 5 Years | Annually | Annually |
| Continuity Test | Every 5 Years | Annually | Annually |
| Inter-cell resistance | Optional | Optional | Annually |
| Specific Gravity | Optional | Optional | Annually |
| System AC Load testing | Optional | Optional | Annually |
| Battery Capacitance Discharge Testing per IEEE Recommended Schedule | Optional | Optional | Optional |
| Parts and Service Coverage | Basic | CSA | CSA+ |
| Emergency Service Fee | Waived | Waived | Waived |
| Guaranteed Emergency Response Time | Not Specified | 72 Hours ${ }^{2}$ | 24 Hours $^{2}$ |
| Minimum Repair Service Cost per Repair Trip | Waived | Waived | Waived |
| Parts Covered Under Warranty | Only PM parts covered | All Parts in System | All Parts in System |
| Transformers (Less than 20 years) | No Coverage | Covered | Covered |
| Travel and Living Expenses | Billed at cost | Covered | Covered |
| Labor | Standard Rates | Covered | Covered |
| Replacement System Manuals | \$350 each | \$175 each | No Cost |
| Financial Benefits | Basic | CSA | CSA+ |
| Spare Parts Discount | 5\% | 15\% | 20\% |
| Annualized Pricing | Included | Included | Included |
| Discount on Training Seminars | None | 25\% | 50\% |

${ }^{1}$ CSA and CSA+ meet factory recommended guidelines for preventative maintenance
${ }^{2}$ System restored to safe and stable condition

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