

# DPI/3DPI

Digital ProcessPower Inverter

INDUSTRIAL PWM INVERTER  
POWER SUPPLY SYSTEM

SINGLE PHASE  
THREE PHASE



**AMETEK®**

**SOLIDSTATE CONTROLS**

PROVIDING CONTINUITY OF ELECTRICAL POWER

# DPI/3DPI

## DIGITAL PROCESS POWER

### Industrial Pulse Width Modulated Inverter

DPI SINGLE PHASE 5-100 kVA

3DPI THREE PHASE 10-250 kVA

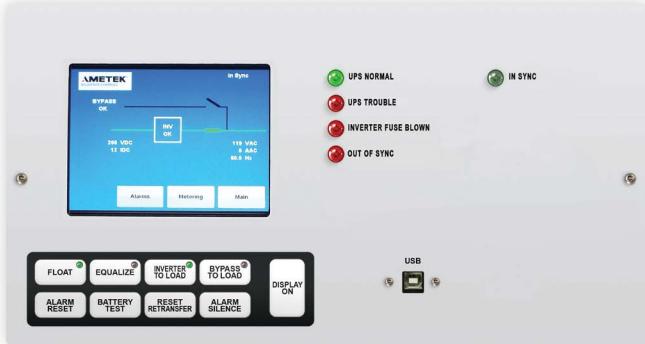
The Digital ProcessPower Inverter (DPI) from AMETEK Solidstate Controls is a true on-line inverter system that provides continuous, clean, regulated power for critical AC loads. Designed specifically for process control and industrial applications, the DPI systems utilize state of the art Pulse Width Modulation (PWM) technology, incorporating high power IGBT 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

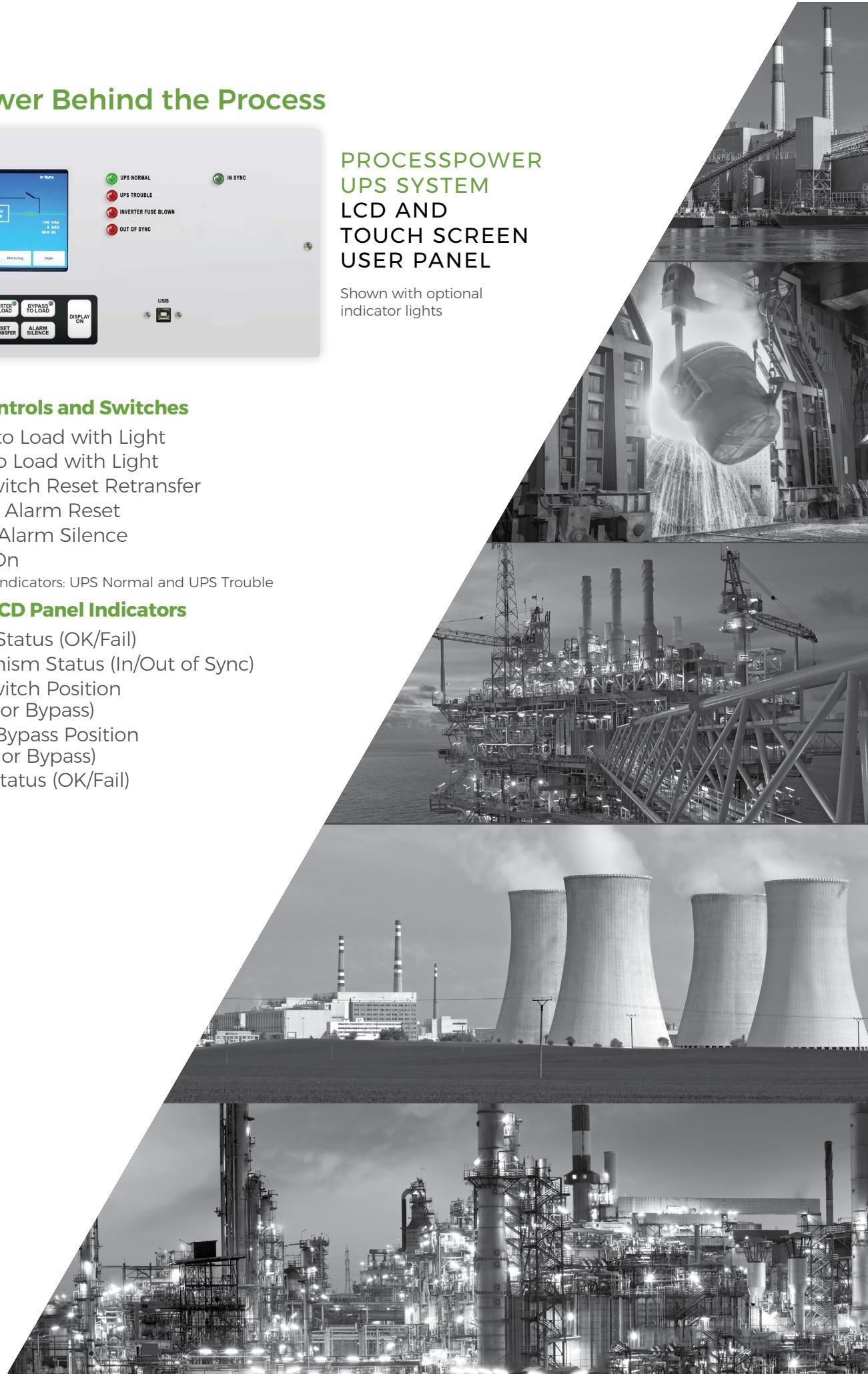
### Keypad Controls and Switches

- 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

## 0.8 Load Power Factor at Rated KVA 120 VDC (60 Lead Calcium Battery Cells)

Model Number	Rated Output Power		Efficiency	AC Output Amps			Max DC Current @ 1.75 VPC	Cabinet Style	Weight <sup>2</sup>		Heat Loss (BTU/hr)
	kVA	kW		DC-AC	120	220			lb	kg	
DPI005 <sup>3</sup>	5	4	87%	42	23	21	44	CTD1X	650	295	2,039
DPI007 <sup>3</sup>	7.5	6	87%	63	34	31	66	CTD1X	750	340	3,059
DPI010 <sup>3</sup>	10	8	87%	83	45	42	88	CTD1X	900	408	4,079
DPI015 <sup>3</sup>	15	12	87%	125	68	63	131	CTD1X	1,050	476	6,118
DPI020 <sup>3</sup>	20	16	87%	167	91	83	175	CTD1X	1,150	522	8,157
DPI030 <sup>3</sup>	30	24	87%	250	136	125	263	CTD1X	1,200	544	12,236
DPI040 <sup>3</sup>	40	32	87%	333	182	167	350	CTD1X	1,250	567	16,315
DPI050 <sup>3</sup>	50	40	87%	417	228	208	438	CTD2X	1,950	885	20,394

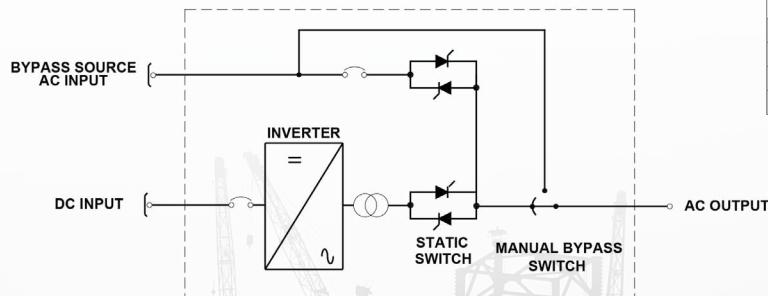
## 0.8 Load Power Factor at Rated KVA 240 VDC (120 Lead Acid Battery Cells)

Model Number	Rated Output Power		Efficiency	AC Output Amps			Max DC Current @ 1.75 VPC	Cabinet Style	Weight <sup>2</sup>		Heat Loss (BTU/hr)
	kVA	kW		DC-AC	120	220			lb	kg	
DPI030 <sup>3</sup>	30	24	89%	250	136	125	128	CTD1X	1,200	544	10,121
DPI040 <sup>3</sup>	40	32	89%	333	182	167	171	CTD1X	1,500	680	13,495
DPI050 <sup>3</sup>	50	40	89%	417	227	208	214	CTD2X	1,725	782	16,868
DPI060 <sup>3</sup>	60	48	89%	500	273	250	257	CTD3X	2,050	930	20,242
DPI080 <sup>3</sup>	80	64	89%	667	364	333	342	CTD3X	2,300	1,043	26,989
DPI100 <sup>3</sup>	100	80	89%	833	454	417	428	CTD3X	3,300	1,497	33,737

## Model Coding

"EE"	"FF"	"GG"	"H"	"J"
DC Bus Volts (code)	AC Output Volts (code)	Frequency (code)	Output Power Factor (code)	Configuration (code)
110 - (11)	120 - (12)	60 - (60)	0.8 - (K)	Cascaded - (C)
120 - (12)	220 - (22)	50 - (50)		Parallel - (P)
220 - (22)				
240 - (24)				

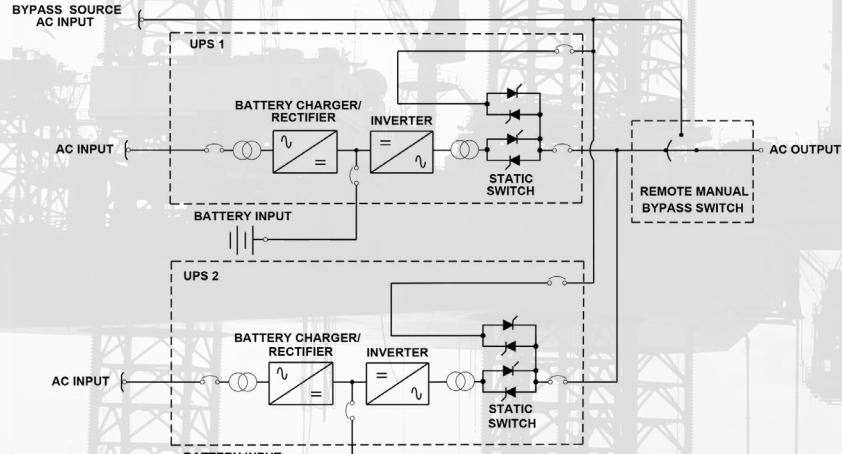
## STAND-ALONE INVERTER



## Cabinet Dimensions Inches Millimeters

Style	H x W x D	H x W x D
CTD1X	79 x 32 x 36	2,007 x 813 x 914
CTD2X	79 x 54 x 36	2,007 x 1,372 x 914
CTD3X	79 x 86 x 36	2,007 x 2,184 x 914
CTD4X	79 x 108 x 36	2,007 x 2,743 x 914

## PARALLEL REDUNDANT CONFIGURATION



<sup>1</sup> Circuit Breakers are sized at a minimum of 125% of rated current.

<sup>2</sup> Unit weights correspond to a 60 Hz unit. Contact factory for 50 Hz unit weight.

<sup>3</sup> A complete model number includes the DC bus (link) voltage, AC output voltage, system frequency, output power factor, and UPS configuration. To "build" a model number, use the "code" in the matrix shown above, following the example format: DPI010-EE-FF-GG-H-J; where EE=DC bus voltage; FF=AC Output Voltage; GG=System Frequency; H=Power Factor; J=Inverter configuration ('F' for Float, 'P' for Parallel Redundant). For Example: A 30 kVA inverter with a 240 VDC bus voltage, 120 output voltage, 60 Hz would have the following model number: DPI030-24-12-60-K-C

For custom systems and for units which do not have a configurable model number, insert a 'C' in the model number as follows: DPI020C

Sizes are subject to change. Top mounted cooling fans require 0.5 in (13 mm) additional height. Certain optional features and/or combinations may require larger cabinets.

General Specifications - Standard Features		General Specifications - Optional Features		
System Measurements (Displayed on LCD Panel)		Metering and System Measurements	(Option #)	Alarms (LCD)
Total Operation Time on Bypass		Bypass Input Frequency	(112)	High DC Disconnect (2)
Total Operation Time on Inverter		Bypass Input Voltage	(113)	Positive/Negative to Ground (2 relays) (3)
Metering (Displayed on LCD Panel)		Output Power (kVA, kW, Power Factor)	(114)	High/Low Bypass Source Voltage (7/6)
DC Voltage		% Inverter Loading	(115)	High/Low AC Output Voltage (9/8)
DC Input Current		Inverter Output Voltage	(117)	AC Output Overload (40)
AC Output Voltage				High/Low Inverter Output Voltage (41/42)
AC Output Current				Out-of-Sync (43)
AC Output Frequency				Inverter Fuse Blown (44)
Circuit Breakers		Circuit Breaker	(Option #)	Inverter Off Frequency (45)
DC Input (10 kAIC, minimum)		65 kAIC Bypass Input	(85)	Bypass Off Frequency (46)
Bypass Input (14 kAIC, minimum)		Inverter Output (Non-Automatic)	(17)	Battery Near Exhaustion (60)
Alarms - All displayed on LCD Alarm Panel with options for LEDs and Relays		AC Output	(18)	High DC Voltage (5)
R = Red LED <sup>4</sup> A=Amber LED Y=Relay <sup>5</sup> (Option #)		Miscellaneous	(Option #)	MBS in Bypass to Load (84)
Fan Failure	R, Y	Latching Alarms	(28)	Inverter Output CB Open (102)
Low DC Voltage	R, Y	Lamp Test	(35)	Bypass Input CB Open (103)
Low DC Disconnect	R, Y	ESI (Essential System Indicator) Panel	(123)	AC Output CB Open (104)
DC Breaker Open	R, Y	Alarm Test	(132)	Battery Time Remaining (157)
Bypass Supplying Load	A, Y	Precharge Circuit	(122)	
Over Temperature	R, Y	Emergency Power Off	(129)	
ST/SW SCR Failure (SWF)	R, Y	Key Lock Enclosure	(159)	
Bypass Failure (BPF)	R, Y	Drip Shield	(65)	
Inverter Failure	R, Y	Lifting Eye Bolts	(105)	
IGBT Desaturation		Padlockable Circuit Breakers	(93)	
Overload Shutdown		Padlockable MBS	(30P)	
Retransfer Blocked		MBS with Sync Lockout	(32)	
System Diagnostics (Displayed on LCD Alarm Panel)		DC Rated Contacts	(72)	
Loss of System Communication(s)		Space Heater	(88)	
Power Supply Failure(s)		PCB Conformal Coating	(127)	
Relay Controls		Fungus and Moisture Proof	(70)	
The following alarms also include one set of normally open and normally closed relay contacts rated for 120 VAC at 8 amps (30 VDC at 8 amps):		Parallel Redundant Configuration		
Trouble (Summary) Bypass		Remote External MBS <sup>1</sup>		
Supplying Load Communications				
Failure (Summary)				
Applicable Standards, Codes and Regulations				
NEMA PE-1				
ANSI				
ANSI/NFPA 70				
IEEE				
UL/C-UL (UL1778)				
Unit Manufactured in ISO9001 Certified Facility				
				
General Specifications - Performance				
Inverter		Static Switch		
DC Input		Bypass Voltage	120, 220 VAC	
Nominal Voltage Range/ #of Cells (Lead Calcium Type)		Switch Type	Inversely paired set of SCRs (one set per leg)	
110 V/55 (96-128 VDC)		Failure Mode	Automatically fails to Bypass	
120 V/60 (105-140 VDC)		Transfer Time	Make Before Break	
220 V/10 (192-256 VDC)		Sync Capture Range	0.5% to 1.5%	
240 V/120 (210-280 VDC)		Slew Rate	1 Hz/sec to 10 Hz/sec (adjustable)	
AC Output		Overload Capability	125% continuous 150% for 10 minutes 200% for 1 minute 1000% for 1 cycle	
Inverter/UPS Ratings		Manual Bypass Switch <sup>1</sup>		
Power Factor		Voltage	120, 220 VAC	
AC Output Voltage <sup>2</sup>		Mounting	Inside UPS/Inverter Enclosure	
120, 220		Positions	Two	
Regulation		Construction	600 VAC, rotary drum, make-before-break type	
Voltage Adjustment		Transfer Time	Zero in both directions	
Frequency		Overload Capacity	125% continuous 150% for 10 minutes 200% for 1 minute 1,000% for 1 cycle	
50 or 60 Hz; $\pm 0.1\%$		Ambient Temperature	23 to 104°F (-5 to 40°C)	
Crest Factor		Relative Humidity	0-95% non-condensing	
3:1		Operating Altitude	10,000 feet (3,048 meters)	
Total Harmonic Distortion (THD)		Audible Noise <sup>3</sup>	65-72 dB(A) @ 4.9 feet - (1.5 meter) Typical	
100% linear load < 3%		Mean Time Between Failure (MTBF)	> 205,000 Hours	
100% non-linear load < 5%				
Transient Response				
$\pm 5\%$ (0-100% load)				
Recovery Time				
< 50 millisecond to $\pm 1\%$				
Overload Capacity				
100% - continuous				
125% - 10 minutes				
150% - 1 minute				
Mechanical				
Cooling				
Aided Convection or Forced Air, depending on kVA rating and design (fans standard for 40 kVA units and above)				
Cable Entry				
Top or Bottom Entry Standard				
Cabinet Rating				
NEMA 1 / IP-20 (IP-21 with addition optional drip shield)				
<sup>1</sup> Internal Manual Bypass Switch is normally removed when a Remote Manual Bypass Switch is selected <sup>2</sup> Custom Input and Output Voltages available - Consult Us <sup>3</sup> Addition of drip shield may increase the noise by 1-3 dB(A) <sup>4</sup> Additional LED Indicators (1 green, 9 red allowed) <sup>5</sup> Additional Relay Contacts (Max of 13 allowed)				

# 3DPI Specifications

0.8 Load Power Factor at Rated kVA 120VDC (60 Lead Calcium Battery Cells)															
Model Number	Rated Output Power		Efficiency	Max DC Current	3PH AC Output Amps Per Phase <sup>1</sup>			Cabinet Style	Weight <sup>2</sup>		Heat Loss (BTU/hr)				
	kVA	kW		@ 1.75 VPC	208	480	380		lb	kg					
3DPI010 <sup>3</sup>	10	8	87%	88	28	12	15	GTD1X	715	325	4,077				
3DPI015 <sup>3</sup>	15	12	87%	131	42	18	23	GTD1X	845	383	5,098				
3DPI020 <sup>3</sup>	20	16	87%	175	56	24	30	GTD1X	975	442	8,158				
3DPI030 <sup>3</sup>	30	24	87%	263	83	36	46	GTD2X	1,268	575	12,235				
3DPI040 <sup>3</sup>	40	32	87%	350	111	48	61	GTD2X	1,333	605	16,317				
3DPI050 <sup>3</sup>	50	40	87%	438	139	60	76	GTD3X	1,398	634	20,394				
Load Power Factor at Rated kVA 240VDC (120 Lead Acid Battery Cells)															
Model Number	Rated Output Power		Efficiency	Max DC Current	3PH AC Output Amps Per Phase <sup>1</sup>			Cabinet Style	Weight <sup>2</sup>		Heat Loss (BTU/hr)				
	kVA	kW		@ 1.75 VPC	208	480	380		lb	kg					
3DPI060 <sup>3</sup>	60	48	89%	257	167	72	91	GTD2X	1,658	752	20,244				
3DPI080 <sup>3</sup>	80	64	89%	342	222	96	122	GTD2X	2,210	1,002	26,990				
3DPI100 <sup>3</sup>	100	80	89%	428	278	120	152	GTD4X	2,860	1,297	33,739				
3DPI125 <sup>3</sup>	125	100	89%	535	348	150	190	GTD4X	3,185	1,445	42,174				
Model Coding															
"EE"	"FF"	"GG"	"H"	"J"											
DC Bus Volts (code)	AC Output Volts (code)	Freq (code)	Output Power Factor (code)	Config Code (code)											
110 - (11)	208 - (20)	50 - (50)	0.8 - (K)	Cascaded - (C)											
120 - (12)	380 - (38)	60 - (60)		Cascaded - (C)											
220 - (22)	480 - (48)														
240 - (24)															
Cabinet Dimensions Inches Millimeters															
Style	H x W x D	H x W x D													
GTD1X	79 x 32 x 36	2,007 x 813 x 914													
GTD2X	79 x 54 x 36	2,007 x 1,372 x 914													
GTD3X	79 x 86 x 36	2,007 x 2,184 x 914													
GTD4X	79 x 108 x 36	2,007 x 2,743 x 914													

**STAND-ALONE INVERTER**

**PARALLEL REDUNDANT CONFIGURATION**

<sup>1</sup>Circuit Breakers are sized at a minimum of 125% of rated current.

<sup>2</sup>Unit weights correspond to a 60 Hz unit. Contact factory for 50 Hz unit weight.

<sup>3</sup>A complete model number includes the DC bus (line) voltage, AC output voltage, system frequency, output power factor, and UPS configuration. To "build" a model number, use the "code" in the matrix shown above, following the example format: 3DPI010-EE-FF-GG-H-J; where EE=DC bus voltage; FF=AC Output Voltage; GG=System Frequency; H=Power Factor; J=Inverter configuration (F for Float; C for Cascaded Redundant; P for Parallel Redundant). For Example: A 30 kVA inverter with a 240 VDC bus voltage, 208 output voltage, 60 Hz would have the following model number: 3DPI030-24-20 60-K-C

For custom systems and for units which do not have a configurable model number, insert a 'C' in the model number as follows: 3DPP020C

Sizes are subject to change. Top mounted cooling fans require 0.5 in (13 mm) additional height. Certain optional features and/or combinations may require larger cabinets - consult us

General Specifications - Standard Features		General Specifications - Optional Features			
System Measurements (Displayed on LCD Panel)		Metering and System Measurements	(Option #)	Miscellaneous - Continued	(Option #)
Total Operation Time on UPS	Bypass Input Frequency	(112)	Latching Alarms	(28)	
Total Operation Time on Bypass	Bypass Input Voltage	(113)	Lamp Test	(35)	
Total Operation Time on Inverter	Output Power (kVA, kW, Power Factor)	(114)	ESI (Essential System Indicator) Panel	(123)	
Metering (Displayed on LCD Panel)	% Inverter Loading	(115)	Alarm Relay Test	(132)	
DC Voltage	Inverter Output Voltage	(117)	Alarms	(Option #)	
DC Input Current	Circuit Breaker	(Option #)	High DC Disconnect	(2)	
AC Output Voltage	65 kAIC Bypass Input	(82/85)	Positive/Negative to Ground (2 relays)	(3)	
AC Output Current	Inverter Output (Non-Automatic)	(17)	High/Low Bypass Source Voltage	(7/6)	
AC Output Frequency	AC Output	(18)	High/Low AC Output Voltage	(9/8)	
Circuit Breakers	Battery High Interrupt Breaker	(86)	AC Output Overload	(48)	
DC Input (10 kAIC, minimum)	Communications	(Option #)	High/Low Inverter Output Voltage	(41/42)	
Bypass Input (14 kAIC, minimum)	Modbus RTU (RS485 Connection)	(187)	Out-of-Sync	(43)	
Alarms (Displayed on LCD Alarm Panel)	Ethernet Webpage	(187)	Inverter Fuse Blown	(44)	
Fan Failure	Modbus TCP	(187)	Inverter Off Frequency	(45)	
Charger Failure	SCI-Link		Bypass Off Frequency	(46)	
Low DC Voltage	Consult Us for Additional Communication Options		Battery Near Exhaustion	(60)	
Low DC Disconnect	Miscellaneous		Low AC Input Voltage	(68)	
DC Breaker Open	Parallel Redundant Configuration		High DC Voltage	(5)	
ST/SW Retransfer Blocked	Additional Relay Contacts (Max of 13 available)		MBS to Bypass	(78)	
Battery Discharging	Additional LED Indicators (1 green, 9 red available)		Bypass Input CB Open	(103)	
IGBT Desaturation	Remote External MBS <sup>1</sup>		AC Output CB Open	(104)	
Overload Shutdown					
Bypass Supplying Load					
ST/SW Bridge Over Temperature					
Inverter Bridge Over Temperature					
ST/SW SCR Failure					
Bypass Failure					
Inverter Failure					
System Diagnostics (Displayed on LCD Alarm Panel)					
Loss of System Communication(s)					
Power Supply Failure(s)					
Relay Controls					
The following alarms also include one set of normally open and normally closed relay contacts rated for 120 VAC at 8 amps (30 VDC at 8 amps):					
Trouble (Summary) Bypass					
Supplying Load Communications					
Failure (Summary)					
Applicable Standards, Codes and Regulations					
ANSI	DC Input		Bypass Voltage	120/208, 220/380, and 277/480: 3-phase, 4-wire	
ANSI/NFPA 70	Nominal Voltage	110 V/55 (96-128 VDC)	Switch Type	Inversely paired set of SCRs (one set per leg)	
IEEE	Range/ # of Cells (Lead Calcium Type)	120 V/60 (105-140 VDC)	Failure Mode	Automatically fails to Bypass	
UL/C-UL (UL1778)		220 V/110 (192-256 VDC)	Transfer Time	Make Before Break	
		240 V/120 (210-280 VDC)	Sync Capture Range	0.5% to 1.5% adjustable	
		277/480: 3-phase, 4-wire	Slew Rate	1 Hz/sec to 10 Hz/sec (adjustable)	
	AC Output		Overload Capability	125% continuous 150% for 10 minutes 200% for 1 minute 1,000% for 1 cycle	
	Inverter/UPS Ratings	10-250 kVA	Manual Bypass Switch <sup>1</sup>		
	Power Factor	0.8 or 1.0	Voltage	120/208, 220/380, and 277/480: 3-phase, 4-wire	
	AC Output Voltage <sup>2</sup>	120/208, 220/380 and 277/480: 3-phase, 4-wire	Mounting	Inside UPS/Inverter Enclosure	
	Regulation	± 1%	Positions	Two	
	Voltage Adjustment	± 5%	Construction	600 VAC, rotary drum, make-before-break type	
	Frequency	50 or 60 Hz; ± 0.1%	Transfer Time	Zero in both directions	
	Crest Factor	3:1	Overload Capacity	125% continuous 150% for 10 minutes 200% for 1 minute 1,000% for 1 cycle	
	Total Harmonic Distortion (THD)	100% linear load < 3% 100% non-linear load < 5%	Environmental		
	Transient Response	± 5% (0-100% load)	Ambient Temperature	23 to 104°F (-5 to 40°C)	
	Recovery Time	< 50 millisecond to ± 1%	Relative Humidity	0-95% non-condensing	
	Overload Capacity	100% - continuous	Operating Altitude	10,000 feet (3,048 meters)	
		125% - 10 minutes	Audible Noise <sup>3</sup>	65-72 dB(A) @ 4.9 feet (1.5 meter) typical	
		150% - 1 minute	Cooling	Aided Convection or Forced Air, depending on kVA rating and design (fans standard for 40 kVA units and above)	
			Cable Entry	Top and Bottom Entry Standard	
			Mean Time Between Failure (MTBF)	> 205,000 Hours	
			Cabinet Rating	NEMA 1 / IP-20 (IP-21 with addition of optional drip shield)	

<sup>1</sup> Internal Manual Bypass Switch is normally removed when a Remote Manual Bypass Switch is selected

<sup>2</sup> Custom Input and Output Voltages available - Consult Us

<sup>3</sup> Addition of drip shield may increase the noise by 1-3 dB(A)



# 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 <sup>1</sup>	CSA+ <sup>1</sup>
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 <sup>2</sup>	24 Hours <sup>2</sup>
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%

<sup>1</sup> CSA and CSA+ meet factory recommended guidelines for preventative maintenance

<sup>2</sup> System restored to safe and stable condition

## WORLD HEADQUARTERS

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Toll Free: +1-800-635-7300  
Fax: +1-614-885-3990

## GLOBAL OFFICES LOCATED IN

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Brazil

Middle East  
India  
Argentina

## WEBSITE

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## EMAIL

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**AMETEK®**  
**SOLIDSTATE CONTROLS**

REV 12/2025

THE PURPOSE OF OUR BUSINESS IS TO PROVIDE CONTINUITY OF ELECTRICAL POWER TO KEEP BUSINESSES IN BUSINESS.

WE DO THIS BY HELPING CLIENTS SOLVE THEIR POWER PROBLEMS AND BY CREATING THE MOST ECONOMICAL LONG-TERM RESULTS.