

UPS Polaris TX-A-10 KVA a 120 KVA

General Features:

- True online UPS (classification type VFI-SS-111), true sine waveform.
- Parallel operation with another UPS up to 6 units (no need of external cabinet)
- Voltage inverter based in IGBTs
- Optional VRLA battery packs according to support time.
- Battery charger according to DIN 41773
- Internal solid state bypass.
- Dual feed for mains and bypass input.
- Power factor correction.
- Full digital controller (DSP)
- ECO function available
- Support cold start
- Intelligent battery charge management
- EPO function
- Network card compatible (model CY504 - see card manual for full specs)
- Monitor for input/output/status/statistics through network card.
- Audible and visual alarms for main UPS status (bypass/on battery/fail/overload - alarms can be silenced by user at the front panel).
- Options: SNMP card v3 /relay card



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MODELO	TX-A 3-PHASE									
CAPACITY (KVA/KW)	10KVA / 10KW	20KVA / 20KW	25KVA / 25KW	30KVA / 30KW	40KVA / 40KW	50KVA / 50KW	60KVA / 60KW	80KVA / 80KW	100KVA / 100KW	120KVA / 120KW
INPUT										
HARMONIC DISTORTION (THDI)	≤2% THDI (100% NONLINEAR LOAD)									
RATED VOLTAGE	208/120VAC OR 220/127VAC, 50/60HZ, 3-PHASE, 4-WIRE PLUS GROUND									
VOLTAGE RANGE	-20%, +25% (96-150VAC OR 102-159VAC), FULL LOAD -40%, +25% (72-150VAC OR 76-159VAC) , <50% LOAD									
FREQUENCY RANGE	50 HZ +/- 10% , 60 HZ +/-10%									
POWER FACTOR	≥ 0.99									
GENERATOR INPUT	SUPPORT									
BYPASS VOLTAGE RANGE	208 VAC (PHASE VOLTAGE), UPPER LIMIT: +10,+15,+20 OR 25% (DEFAULT:+20), LOWER LIMIT:-10,-20,-30 OR -40 (DEFAULT:-30), FREQUENCY RANGE +/-10%									
SYNCHRONIZATION WINDOW	±1%/±2%/±4%/±5%/±10% OPTIONAL (DEFAULT:±10%)									
MAX CURRENT (A)	BREAKER50A			BREAKER63A			BREAKER 80A			
UPSTREAM PROTECTION, BYPASS LINE	THERMOMAGNETIC CIRCUIT-BREAKER, RATED UP TO 125% OF NOMINAL OUTPUT CURRENT.IEC 60947-2 CURVE C.									
CURRENT RATING OF NEUTRAL CABLE (A)	1.7×IN									

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OUTPUT	
PHASE BALANCE	120°+/-1° (100% UNBALANCED LOAD)
VOLTAGE	208/120VAC OR 220/127VAC, 50/60HZ, 3-PHASE, 4-WIRE PLUS GROUND
TRANSIENT VOLTAGE RESPONSE	±5% (LINEAR LOAD)
POWER FACTOR	1.0
VOLTAGE REGULATION	±1%
FREQUENCY (LINE MODE)	' SYNCHRONIZE WITH INPUT; WHEN INPUT FREQUENCY > ±10% (±1%/±2%/±4%/±5% OPTIONAL), OUTPUT (50/60±0.1%)HZ.
FREQUENCY (BATTERY MODE)	50/60HZ±0.01HZ
CURRENT CREST RATIO	3:1
HARMONIC DISTORTION	<=1% THD(LINEAR LOAD)
	<3% THD(NON-LINEAR LOAD)
OVERLOAD CAPACITY	AC MODE 60 MIN @ LOAD <= 110% - 10 MIN @ LOAD <= 125% - 1 MIN @ LOAD <= 150% - SHUT DOWN @ LOAD >= 150% BAT. MODE 10 MIN @ LOAD <= 110% - 1 MIN @ LOAD <= 125% - 5 SEC @ LOAD <= 150% - SHUT DOWN @ LOAD >= 150%
OUTPUT WAVEFORM	PURE SINEWAVE

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EFFICIENCY	
NORMAL MODE	96% - (FROM 25% TO FULL LOAD)
BATTERY	
DESIGN LIFE (YEARS @25 C):	5
BATTERY TYPE	12V
BACKUP TIME	ESTIMATED REMAINING TIME DISPLAYED ON THE LCD (ACCORDING TO BATTERY OPTIONS)
FLOAT VOLTAGE	2.25V/CELL (SELECTABLE FROM 2.20-2.29V/CELL) CONSTANT CURRENT AND CONSTANT VOLTAGE CHARGE MODE
BOOST CHARGE VOLTAGE	2.30V/CELL (SELECTABLE FROM 2.30-2.40V/CELL) CONSTANT CURRENT AND CONSTANT VOLTAGE CHARGE MODE
AUDIBLE & VISUAL ALARMS	LINE FAILURE, BATTERY UNDER VOLTAGE, OVERLOAD, SYSTEM FAULT
RATED BATTERY VOLTAGE	STANDARD UNIT ±120VDC (20PCS 12V9AH); (2X20PCS 12V9AH); (2X20PCS 12V9AH; 12V9AH OPTIONAL)
	LONG RUN UNIT ±120VDC (2X20PCS 12V9AH); (3X20PCS 12V9AH OPTIONAL)
	±120VDC (3X20PCS 12V9AH); (3X20PCS 12V9AH OPTIONAL)
EOD VOLTAGES	±96V\±108V\±120V\±132V\±144VDC; BATTERY QUANTITY(OPTIONAL) 1.75 V/CELL (SELECTABLE FROM 1.60 OR 1.90V/CELL) AUTO INVERSE EOD VOLTAGE X DISCHARGE CURRENT MODE(THE END OF DISCHARGE VOLTAGE INCREASES AT LOW DISCHARGE CURRENTS)

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TRANSFER TIME	
SYNCHRONOUS TRANSFER	UTILITY TO BATTERY : 0MS; UTILITY TO BYPASS: 0MS
ASYNCHRONOUS TRANSFER	ASYNCHRONOUS TRANSFER: 15 MS (50 HZ), 13.3 MS (60 HZ)
PROTECTION	
PROTECTION	SHORT CIRCUIT, OVERLOAD, OVER TEMPERATURE, BATTERY LOW, FAN FAULT ALARM.
OPTIONAL FEATURES	
ECONOMIC MODE (ECO MODE)	SUPPORTED
DISPLAY	
STATUS LED & LCD	LINE MODE, BYPASS MODE, BATTERY STATUS, OVERLOAD AND FAULT
READING ON THE LCD	LOAD/BATTERY/FREQUENCY/INNER TEMPERATURE/INPUT/OUTPUT/BYPASS/ OPERATING MODE INFORMATION - BATTERY SUPPORT TIME REMAINING
ALARMS	
AUDIBLE & VISUAL	LINE FAILURE, LOW BATTERY, OVERLOAD, SYSTEM FAILURE

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PHYSICAL									
DIMENSION D×W×H (MM)	250X900X868		250X828X868		442X850X1100		442X850X1200		
NET WEIGHT(KG)	134/76	190/77	231/79	64	66	150	160	190	200
ENVIRONMENT									
OPERATING ENVIRONMENT	0-40 °C								
RELATIVE HUMIDITY	0-95%(NON-CONDENSING)								
NOISE LEVEL	<55DB@ 1METER	<58DB@ 1METER	<55DB@ 1METER	<58DB@ 1METER	<60DB@ 1METER	<63DB@ 1METER	<65DB@ 1METER	<65DB@ 1METER	
INTERFACE									
SMART RS-232/USB	USB, RS232,RS485, PARALLEL PORT, COUPLER DRY CONTACT, INTELLIGENT SLOT, SNMP CARD (OPTIONAL), RELAY CARD (OPTIONAL),BATTERY TEMPERATURE SENSOR(OPTIONAL)								
STANDARS									
SAFETY	UL 1778		IEC/EN 62040-1, IEC/EN 60950-1						
EMC	FCC PART 15:2015, IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, EN55022								

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

POLARIS
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