

**TECHNICAL SPECIFICATION FOR – LIGHTING UPS & INDUSTRIAL
INVERTER SYSTEM**

Model-PXU & PXI 600 series

AC-INPUT

INPUT VOLTAGE-	415V AC-
VOLTAGE TOLERANCE-	+10%,-15%
CONFIGURATION	3 PHASE-3 WIRE SYSTEM
INPUT FREQUENCY	50 HZ/60HZ
INPUT FREQUENCY TOLERANCE	+10%,-10%
INPUT POWER FACTOR-	>0.98@RATED LOAD
INPUT CURRENT DISTORTION	<9% @ RATED LOAD
TECHNOLOGY	HIGH FREQUENCY IGBT PWM SWITCHING./ SOFT SWITCHING (OPTIONAL)
PHASE SEQUENCE	NO LIMITATION

DC-INPUT

DC-VOLTAGE	120/196/240/360V DC 600V DC (OPTIONAL)
TYPE OF CHARGING	FLOAT/BOOST CHARGING
BATTERY TYPE	S.M.F/TUBULAR/PLANTE

AC-OUTPUT

VOLTAGE	230V AC 1 PHASE
VOLTAGE TOLERANCE	+/-1%
OUTPUT FREQUENCY	50/60/400 HZ
FREQUENCY TOLERANCE	+/-0.001HZ FREE RUNNING
POWER FACTOR	0.8(LAGGING) TO UNITY.
T.H.D	<2.5% AT LINEAR LOAD <5% AT RATED NON LINEAR LOAD OF 2:1 CREST FACTOR
TECHNOLOGY	IGBT BASED HIGH FREQUENCY PWM SWITCHING

FEATURES

INPUT OUTPUT ISOLATION	GALVANICALLY ISOLATED
INPUT FREQUENCY	1HZ-400KHZ (OPTIONAL)
INPUT INRUSH CURRENT LIMIT	THROUGH SOFT START
BATTERY TEMPERATURE COMPENSATION	BATTERY CHARGING ACCORDING TO AMBIENT TEMP.(OPTIONAL)

BYPASS

MANUAL/STATIC (20
msecTRANSFER)
STANDARD RS -232

PC-COMMUNICATION
PROTECTIONS

1) ELECTRICAL

AC INPUT
BATTERY
AC OUTPUT

MCB/MCCB
MCB/MCCB
MCB/MCCB

2) ELECTRONIC

INPUT UNDER VOLTAGE
INPUT OVER VOLTAGE
INPUT OVER CURRENT
INPUT POWER LIMIT.
DC UNDER VOLTAGE
DC OVER VOLTAGE
CHARGING CURRENT LIMIT
OUTPUT UNDER VOLTAGE
OUTPUT OVER VOLTAGE
OUTPUT SHORT CIRCUIT
OUTPUT OVER CURRENT
OUTPUT CURRENT LIMIT

INDICATION

ALARMS

MAINS ON
MAINS FAULT
MAINS OVER /UNDERVOLTAGE.
DC ON
DC OVER VOLTAGE.
BATTERY LOW PRE ALARM
BATTERY LOW TRIP.
INVERTER ON
INVERTER UNDER/OVER VOLTGE
INVERTER TRIP.

PROVIDED

PROVIDED

PROVIDED

PROVIDED

METERING

LCD DISPLAY FOR VOLTAGE, PECENTAGE OF LOAD

ENVIRONMENT

OPERATING TEMP
STORAGE TEMPERATURE

0-40 DEG
-5 TO 55 DEG

RELATIVE HUMIDITY

AUDIABLE NOISE

MAXIMUM ALTITUDE

5-95 NON

CONDENSING

<60dbA

1000mtr.