



RWTÜV

UPS

POWERED TO SERVE.

Online UPS 1 KVA to 100KVA a-PFC series



BLENDING TECHNOLOGY
WITH VISION



series a-PFC

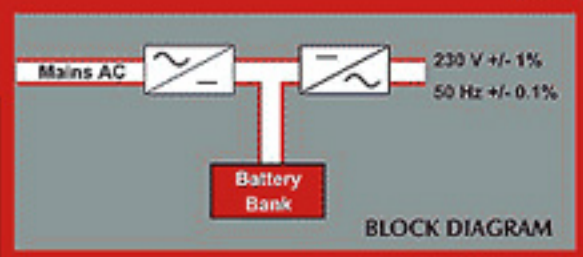
TECHNICAL SPECIFICATION: 1Φ-1Φ

MODEL	1 - 1	1 - 2	1 - 3	1 - 5	1 - 6	1 - 7.5
(Rating KVA)	1	2	3	5	6	7.5
INPUT						
Input Voltage	Single phase 230 VAC, 50 Hz nominal (3 Wire)					
Input Voltage Range	160 - 270 VAC					
Input Frequency Range	45 - 55 Hz					
OUTPUT						
Out put voltage	1 phase 230V+/-1% or 220V +/-1% or 110 V +/-1% (only one)* (provide ground)					
Output frequency	50 Hz +/- 0.1% or 60 Hz +/- 0.1% optional (only one)					
Output Power factor	0.8 lagging to unity					
INVERTER						
Technology	Micro Processor Based High Frequency PWM, IGBT					
Output over loading	100% - continuous & 120% / 150% for 15 mins. / 30 seconds					
Crest factor	Better than 3					
Inverter Efficiency	> 90%					
THD	< 2% for linear load, & < 3% for nonlinear load					
Wave form	Pure sine wave					
Transient Response	+/- 5% recovers with in 5 msec for 0 - 100% load					
Power Walk-in	20 Secs					
EMI / EMC	As per FCC class A					
Noise (audible)	50 dB at 1 meter					
Charger	CVCC type operates in Boost, Float & Trickle mode					
BATTERY						
Type *	SMF, Tubular, Calcium etc					
DC bus	48	72	72	180	180	180
Isolation	Total Isolation between input & output for protection against surges & sags					
Protection	Input U/O, Output U/O voltage, Over load, Short Ckt, DC U/O					
Operating Temp & RH	0 - 50°C & 95% (Non Condensing)					
Front Panel display	Battery level, Fault diagnostic, Alarm (LCD Optional) *					
Chassis design	IP 21					
Cooling	Forced Air					
Bypass	Manual bypass switch					
Static bypass	Optional Feature *					
Communication Interface	RS-232, SNMP for Windows & Linux (Optional Feature)*					

TECHNICAL SPECIFICATION : 3 ϕ -3 ϕ

R & D is a continuous process, hence outlook & specifications are subjected to change.

MODEL	3 - 7.5				3 - 50			3 - 100		
(Rating KVA)	7.5	10	20	30	25	30	40	50	75	100
INPUT										
Input Voltage	Three phase 415 VAC, 50 Hz nominal 4 wire & ground									
Input Voltage range	355 - 455 VAC									
Input Frequency Range	45 - 55 Hz									
OUTPUT										
Output voltage	Single phase 230V \pm 1% (provide ground)									
Output frequency	50 Hz \pm 0.1% or 60 Hz optional									
Output Power factor	0.8 lagging to unity									
INVERTER										
Technology	Micro Processor Based High Frequency PWM, IGBT									
Output over loading	100% - continuous & 120% / 150% for 15 mins. / 30 seconds									
Crest factor	Better than 3									
Inverter Efficiency	> 90%									
THD	< 2% for linear load, & < 3% for nonlinear load									
Wave form	Pure sine wave									
Transient Response	\pm 5% recovers with in 5 msec for 0 - 100% load									
Power Walk-in	20 Secs									
EMI / EMC	As per FCC class A									
Noise (audible)	60 dB at 1 meter									
Charger	CVCC type operates in Boost, Float & Trickle mode									
BATTERY										
Type *	SMF, Tubular, Calcium etc									
DC bus	360	360	360	360	360	360	360	384	384	384
Isolation	Total Isolation between input & output for protection against surges & sags									
Protection	Input U/O, Output U/O voltage, Over load, Short Ckt, DC U/O									
Operating Temp & RH	0 - 50°C & 95% (Non Condensing)									
Front Panel display	Battery level, Fault diagnostic, Alarm (LCD Optional) *									
Bypass	Static + Manual bypass switches provided									
Chassis design	IP 21									
Cooling	Forced Air									
Interface	RS-232, SNMP for Windows & Linux (Optional feature)*									



HI-LIGHTS

- Micro Processor Based Technology
- Smart charging enhances the battery life
- Greater than 90% efficiency helps conserve energy
- RS-232, SNMP Interface enhances the control on UPS
- Handles high inrush current where non-linear load is operated
- Friendly user interface on the front panel helps the user
- Modular Design
- Less than 2% harmonics allows delicate equipments to be powered

Applications

- Data Centres / Network
- Software, BPO
- Banking & Finance
- Process Industries
- Medical
- Manufacturing
- Telecommunication
- Education Industries
- Defence

Other

Products

- Servo Stabilizer
- Line-Interactive UPS
- Elevator Backup Systems
- Voltage & Frequency Converters
- Battery Chargers & FCBC
- SMPS, Customised Power Supply

TEPL

TechnoVision Energy Pvt. Ltd. (TEPL) is a new generation Power Electronics product manufacturing company that understands and assesses the need of varied Business / Industries and develops products tailored to suit those needs, essentially dealing in "Power Supply Management."

We are a focused Power Electronics organisation with wide presence. Strong customer base and infrastructure along with a motivated and dedicated reservoir of intellectual resource inspires us to provide "Value for money products and quality service."

Our products are specially designed keeping in mind the requirements of the organisation / Industry and the possible application therein and thus the outcome is such a products that are applicable to all application in Software/ SMEs/ Corporates/ Institutions and many more.

For us, your "Application is our Responsibility." This gives us the required scope and encouragement to innovate. Our products are the result of this innovation.



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