



AVO PRIMAX

5 KVA - 120 KVA (Three Phase Input/ Three Phase Output)

FEATURES & PERFORMANCE

- ✓ Double Conversion On-Line UPS
- ✓ IGBT PWM Converter
- ✓ Battery Health Monitoring System
- ✓ Advance DSP Controlled UPS
- ✓ Compliance to International Standards
- ✓ Lithium Battery Compatible
- ✓ Advance Communication Facility RS 232, SNMP, Modbus, RS 485.
- ✓ Inbuilt Galvanic Isolation Transformer
- ✓ Output PF 0.8|0.9|1.0
- ✓ Input PF -0.95
- ✓ 50Hz/60Hz Frequency Conversion Mode

IDEAL APPLICATION

- Mission critical application & System
- POS-RETAIL
- Bank branches - ATM
- IT equipment (Work Station)
- Security and Surveillance System
- Servers/Networking/Storage
- Industrial Automation Control
- Health Care equipments
- Telecom/Railway Signaling
- Education (Smart schools) and **Many more**

BENIFITS

Easy deployment & maintainance with compact design :

- A compact, high-density UPS that is easy to install, configure, use, start up and service
- Inbuilt input / bypass input / output / maintainance bypass breakers for completed distribution panel
- Aesthetic design blends well into your installation enviroment & offers a unique blend of energy, space and installation savings

Robust and competitive

- Minimize your power losses and cooling requirements with upto unity power factor (KW=KVA)

SPECIFICATIONS

SPECIFICATIONS	ONLINE UPS											
MODEL	TTRLI2005	TTRLI2006	TTRLI2007	TTRLI2010	TTRLI2015	TTRLI2020	TTRLI2030	TTRLI2040	TTRLI2060	TTRLI2080	TTRLI20100	TTRLI20120
RATING	5KVA	6KVA	7.5KVA	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA
INPUT												
RECTIFIER DESIGN	IGBT Based PWM Converter											
NOMINAL VOLTAGE	415V AC(-25% to 15%) 3 Ph & N											
NOMINAL FREQUENCY	50Hz \pm 10%											
INPUT POWER FACTOR	> 0.95											
OUTPUT												
INVERTER DESIGN	IGBT Based DSP Controlled sine wave PWM											
DC - AC EFFICIENCY	90%											
VOLTAGE	400 +/- 1% (Balanced/Unbalanced Load)											
FREQUENCY	50Hz \pm 0.1%											
THD	> 2% on linear load & < 5% on non - linear load											
CREST FACTOR	3 : 1											
POWER FACTOR	0.8 lag to unity											
OVER LOAD	150% For One Minute, 120% for 10 minute											
PROTECTIONS	Battery low/high, Short circuit, built-in spike, Surge and RFI/EMI Filter											
INDICATIONS	Mains on, inverter on, UPS on Battery low, Inverter trip, O/P Overload, Load on UPS, Load on Bypass											
METERING	LCD, Display - Monitor, O/P, I/P & DC Voltage, Load % frequency, Battery health											
BYPASS	Manual / Auto (Bi Directional)											
COMMUNICATION	RS 232 Serial interface / SNMP (OPTIONAL)											
ENVIRONMENT	Noise level - less than 60dBA, Temperature- 0-50 deg C. Humidity - 0.95% non condensing											
BATTERY												
VOLTAGE	192 - 240 VDC 192 - 384 VDC 240 - 384 VDC 384 VDC											
TESTING STANDARDS	As per IEC STANDARD											
	IEC 62040 - 1 IEC 62040 - 3											

Product specifications are subject to change without prior notice

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