



AVO PRIMAX

5 KVA - 40 KVA (Three Phase Input/Single 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		TRL4005	TRL4006	TRL4007	TRL4010	TRL4015	TRL4020	TRL4030	TRL4040
RATING		5KVA	6KVA	7.5KVA	10KVA	15KVA	20KVA	30KVA	40KVA
INPUT									
RECTIFIER DESIGN	IGBT Based PWM Converter								
NOMINAL VOLTAGE	415 V AC (- 25% TO 15%) 3Ph & N								
NOMINAL FREQUENCY	50Hz ± 10%								
INPUT POWER FACTOR	> 0.95 PF								
OUTPUT									
INVERTER DESIGN	IGBT Based DSP Controlled sine wave PWM								
EFFICIENCY	90%								
VOLTAGE	230 ± 0.1%								
FREQUENCY	50Hz ± 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- 45 deg C. Humidity - 0.95%								
BATTERY									
VOLTAGE	192 - 384 VDC				384 VDC				
TESTING STANDARDS		As per IEC STANDARDS						IEC 62040 - 1 IEC 62040 - 3	

Product specifications are subject to change without prior notice

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