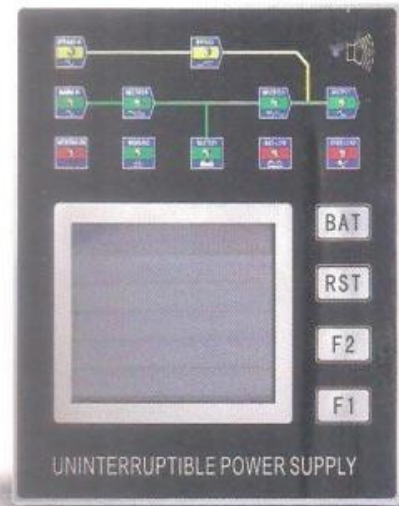


ONLINE UPS 10 KVA to 300 KVA – Three/Three Phase

| TECHNICAL SPECIFICATIONS | | | | | | | | |
|-------------------------------------|--|-------|-------|-------|-------------------|-------|-------|-------|
| MODELS | TP10 | TP 20 | TP 30 | TP 40 | TP 50 | TP 60 | TP 70 | TP 80 |
| CAPACITY | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| Dimension in mm (H x W x D) Approx. | 1290 x 510 x 900 | | | | 1700 x 360 x 1110 | | | |
| Classification & Operating Mode | True On- Line Double Conversion PWM Based | | | | | | | |
| AC INPUT | | | | | | | | |
| Phase | 3 Phase + N + G | | | | | | | |
| voltage | 380 / 400 / 415V AC Three Phase | | | | | | | |
| Voltage Tolerance | +15%, -20%, (higher range on request) | | | | | | | |
| Frequency | 50 / 60 Hz + 10 % | | | | | | | |
| Power factor | >0.8 Thyristor / 0.95 IGBT | | | | | | | |
| Soft Start | 0 - 100% 5s | | | | | | | |
| Total harmonic distortion (Thad) | < 20% Thyristor / 3% to 5% with Filter | | | | | | | |
| BYPASS INPUT | | | | | | | | |
| Phase | 3 Phase + N + G | | | | | | | |
| voltage | 415V + 20% | | | | | | | |
| Frequency | 50 / 60 Hz + 5 % | | | | | | | |
| Transfer Time | 0 MS Inverter / Bypass (Overload) | | | | | | | |
| Charging Current | 10% of the Battery Rating | | | | | | | |
| AC OUTPUT | | | | | | | | |
| Phase | 3 Phase + N + G | | | | | | | |
| voltage | 380 / 400 / 415V AC Three Phase | | | | | | | |
| Frequency | 50 / 60 Hz + 0.05 % (Battery Mode) | | | | | | | |
| Power factor | Standby 0.8 / Optional 0.9 | | | | | | | |
| Wave form | True Sine Wave | | | | | | | |
| Distortion | Total Harmonic Distortion < 2% (at linear load), < 5% (non-linear load) | | | | | | | |
| Transient Response | Transient Recover Time <10ms | | | | | | | |
| Crest Factor | 3:1 | | | | | | | |
| Overload | 125% for 10 min., 150% for 1 min | | | | | | | |
| Cooling | Forced Cooling | | | | | | | |
| Isolation Transformer | Available | | | | | | | |
| Protections | Under voltage / over voltage /short circuit / battery low | | | | | | | |
| Metering | Input voltage / output voltage / DC voltage / Output Current / Output Frequency | | | | | | | |
| Efficiency | | | | | | | | |
| Ac to AC | 93% | | | | | | | |
| ECO Mode | 98% | | | | | | | |
| Interface | RS 232 / SNMP (Optional) | | | | | | | |
| Type of protection | IP 20 (standard), Other on request | | | | | | | |
| Temperature | 0 to 40 Deg. C (Operating) | | | | | | | |
| Humidity | 30 – 95% | | | | | | | |
| Operation altitude | < 1000m without derating | | | | | | | |
| Optional | Harmonic Suppression Filter | | | | | | | |
| Architecture | Up to 7 Parallel Module | | | | | | | |
| Noise (dB) (at 1 m) | <55 / <60 / < 65 | | | | | | | |
| Operation altitude | < 1000m without derating | | | | | | | |
| | <ul style="list-style-type: none"> The above systems are base on normal standards and can be customized as per specifications | | | | | | | |

User Friendly
Touching Screen Display



Schematic Diagram

