

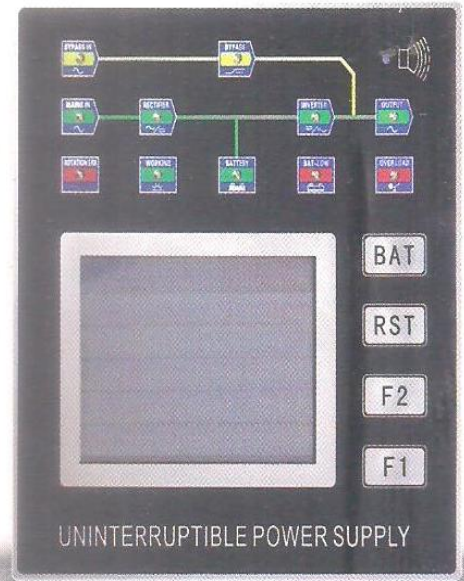
## ONLINE UPS THREE/SINGLE PHASE

### 10 KVA to 100 KVA – Three/Single Phase

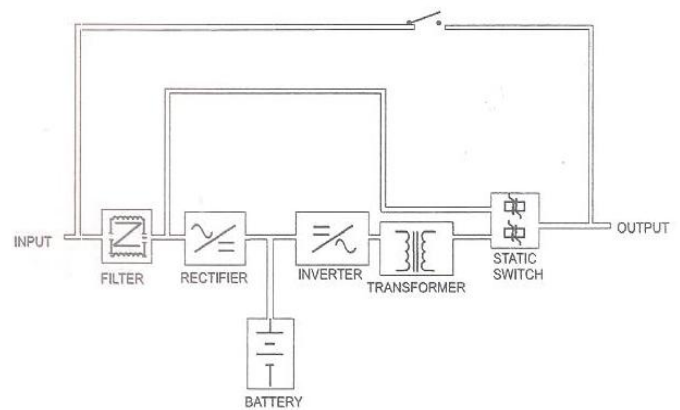
#### TECHNICAL SPECIFICATIONS

Classification & Operating Mode	True On- Line Double Conversion PWM Based
<b>AC INPUT</b>	
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
<b>BYPASS INPUT</b>	
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
<b>AC OUTPUT</b>	
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
<b>Efficiency</b>	
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

User Friendly  
Touching Screen Display



Schematic Diagram



- The above systems are base on normal standards and can be customized as per specifications

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