



*Designed to deliver...*  
**Performance-Value-Reliability**  
**Three- Phase True On-Line UPS**

**OLHC Series**

- Full Digital Signal Processing Control
- Advanced Battery Management with Temperature Compensation
- Smart Communication - SNMP / RS 232 / RS 485 / USB
- Redundant and Hot Standby capability
- Comprehensive LCD Display for real time information
- Reverse Phase Sequence Protection
- Maximal availability and minimum downtime
- Lower TCO and higher RoI



Over the years our brand has become synonymous with two words - Quality and Service. With a Brand as powerful as ours and inherent strength in technology, we have progressed into one of the major supplier of Power Electronics Products. Our State-of-the-art infrastructure and commitment to achieve customer satisfaction ensures that we are always at the cutting edge of the technology as well as manufacturing product that provide value for money for years.

## Arrow™ On-Line UPS Specification

| Technical Specifications |                       | 3-Ph Input / 1-Ph Output  | 3-Ph Input / 3-Ph Output                      |
|--------------------------|-----------------------|---|---|
| General                  | Capacity              | 5KVA - 60KVA  |   |
|                          | Certification         | ISO 9001 and ISO 14001 Certified OEM with CE and RoHS Certification     |   |
| Input                    | Voltage Nominal (Vac) | 380/400/415 Vac 3-Phase   |   |
|                          | Voltage Range (Vac)   | 320 - 480 Vac L-L   |   |
|                          | Frequency Range(Hz)   | 45 - 65 Hz  |   |
|                          | Generator Input       | Support   |   |
|                          | Power Factor          | > 0.95  |   |
|                          | Output                | Voltage (Vac)   | 220/230/240 Vac +/- 1%, Single Phase          |
| Frequency(Hz)            |                       | 50 Hz +/- 1Hz   |   |
| Crest Factor             |                       | 3:01  |   |
| Harmonic Distortion      |                       | < 3% for Linear Load, 5% for Non-linear Load                            |   |
| Efficiency               |                       | >90%  |   |
| Power Factor             |                       | 0.8   |   |
| Redundancy               |                       | N+X Redundancy in Parallel (Optional)                                   |   |
| Slew Rate                |                       | 1 Hz / sec  |   |
| Galvanic Isolation       |                       | In-built / External as per requirement (Optional)                       |   |
| Battery                  |                       | Type  | Sealed Maintenance Free VRLA, Flexible DC Bus |
|                          | Charging              | 8 Hours recover to 90% Capacity, IBM System                             |   |
| Protections              | Input                 | Input High/Low Cutoff, Over Current, Short Circuit, Reverse Ph Sequence |   |
|                          | Output                | High/Low Cutoff, Over Current, Short Circuit, Soft Start, Overload      |   |
|                          | Battery               | Battery Low, Battery Overcharge, Adjustable Controlled Charging Current |   |
|                          | Other                 | Over Temperature, IP21  |   |
|                          | Bypass                | Optional Manual/Static Bypass   |   |
| Indications and Alarm    | LED/LCD               | Mains mode, Backup mode, Charging, Battery Low, Overload, Fault         |   |
|                          | Parameter             | Input-Output status(V), Battery Level, Load Level                       |   |
| Environment              | Operating Temperature | 0 -45 deg C   |   |
|                          | Storage Temperature   | 0 -75 deg C   |   |
|                          | Relative Humidity     | 0-95 RH @ 0-45 degC non-condensing                                      |   |
|                          | Noise Level           | < 60dB @ 1 Meter  |   |
|                          | Thermal               | Fan and Heatsink  |   |
| Management (Optional)    | Smart RS232 / USB     | RS 232 / USB port with software for monitoring                          |   |
|                          | External Slot         | SNMP / RS485  |   |
| Standards                | Safety                | EN62040-1   |   |
|                          | EMC                   | EN62040-2   |   |
|                          | Performance           | EN62040-3   |   |
|                          | Other                 | EN61000-1/8, EN50091-1, EN50091-2, EN55011, EN5022, CISPR11/22*         |   |

Arrow™ True Double Conversion Online UPS Series is DSP/Microprocessor controlled high frequency PWM technology with IGBT as Power Device in Inverter provides pure sinewave output and complete protection against all kinds of Power Outages. With compact footprint and front-end controls through user-friendly LCD/LED display, UPS occupies minimum floor space.

The Arrow™ series UPS systems are designed to supply clean unbroken power and it's features provide significant advantages to users, specially in Indian power supply environment. The entire range of Arrow™ UPS systems are backed by extensive network of Sales and Service support.

### Optional:

- flexiDC™
- SNMP/Relay Card/RS-485
- Galvanic Isolation
- TVSS (External/Internal)



Other Product line: Line Interactive & Home UPS Systems, Stabilizers and entire range of Solar Products