

| | | | | | | | |
|-------------|-----------|-------|-------|-------|-------|-------|-------|
| Model | ON-10 | ON-15 | ON-20 | ON-25 | ON-30 | ON-40 | ON-50 |
| KVA | 10 | 15 | 20 | 25 | 30 | 40 | 50 |
| Capacity | 8KW | 12KW | 16KW | 20KW | 24KW | 32KW | 40KW |
| VERSION NO. | 40-2 / 90 | | | | | | |

AC INPUT

| | |
|--------------------|----------------------|
| Input voltage | 415 VAC +15 %, -20 % |
| Input Frequency | 50 Hz +/- 6 % |
| Input Power Factor | > 0.85 |

DC CHARGER

| | | |
|-----------------|------------------------------------|-------|
| Battery Voltage | 240 - 360 V | 360 V |
| Rectifier | IGBT Based APFC type / SCR 6 pulse | |

AC OUTPUT

| | |
|---------------------|--|
| Technology | IGBT Based Double Conversion PWM Inverter using Micro Controller |
| Output voltage | 230 VAC +/- 1 % |
| Output Frequency | 50 Hz +/- 0.5 % |
| Output Power factor | 0.8 to 1 lag |
| Output waveform | PWM Sine wave |
| Galvanic Isolation | Inbuilt Galvanic Isolation Transformer Provided |
| Harmonic Distortion | Less than 3 % on Linear Load |
| Transient Recovery | .+ 4 % from 0 to Full load and corrected within 60 msec. |
| Inverter Efficiency | > 90 - 92 % Depending on DC voltage |

INDICATIONS & ALARMS

| | |
|---------------|---|
| Indications | Mimic Display, Mains on, Inverter On, Battery Low, Over Load, Output Under Voltage, Output Over Voltage, DC Over Voltage, I/p Single Phasing / Phase Reversal |
| Audible Alarm | Intermittent beep for 30 sec. On mains fail. Battery low pre-alarm at 80 % of Battery discharge. Intermittent Beep for all other Trip Conditions |

METERING

| | |
|--|--|
| Digital Metering and Fault Indications | Micro controller based Digital Scrolling LCD to Display - I/P voltage , O/P Voltage, Load Current, Load %, Charging Current, Battery Voltage, % Battery Charge. Fault indications – Mains Off, O/p under voltage / over voltage, Battery Low pre-alarm & Trip, DC Over voltage, Output Overload, I/p under voltage / over voltage, I/p Single Phasing / Phase Reversal |
|--|--|

PROTECTIONS

| | |
|-------------|--|
| Protections | Output Overload, Output short circuit, Battery low trip, DC over voltage, Output under voltage / over voltage, Input under voltage / over voltage, I/p Single Phasing / Phase Reversal |
|-------------|--|

ADDITIONAL FEATURES

| | |
|-----------------------------|--|
| Communication* | GSM Modem for SMS Alerts to user and service center for any Fault condition. PC Interface (SNMP) to display UPS Data on user PC and Safe Shutdown facility |
| Input Auto Phase Corrector* | Input Auto Phase Corrector in case of Phase Reversal |

GENERAL

| | | | |
|--------------------------|---------------------------------------|-------------|---------------------------------|
| Bypass Facility* | Manual / Static Bypass Switch | | |
| Audible Noise | Less Than 60 dB at 1 meter | | |
| Design ambient | 0-50° C | | |
| Relative Humidity | Max. 95 % Non Condensing | | |
| Enclosure | M.S. Powder coated with castor wheels | | |
| Dimensions in mm (LxWxH) | 770x420x750 | 950x450x800 | 1200x450x800 1200x570x1000 |

NOTE: Specifications subject to change due to continuous improvements in the product.

* Optional