



Since 1992

Salient Features Of Power Master On-Line UPS

1 PHASE INPUT – 1 PHASE OUTPUT 5 To 10 KVA

- Double Conversion On-Line UPS.
- Built-in Galvanic Isolation transformer.
- Design Based On IGBT / MOSFET.
- Double Edge **High Frequency SPWM** Converter.
- Control & Display Based On **VLSI / FPGA / DSP**.
- Built-In RTWC (Real Time Waveform Controller) .
- Lowest Output THD Less Than 3%
- Excellent Dynamic response & Recovery within one cycle.
- Built-In Rectifier - Inverter With Soft Start Circuit.
- Suitable for All Types Of Batteries.
- Built-In 3 Step **Float Cum Boost Charger** .
- Built-In **Separately Settable** Float and Boost Voltage .
- Built-In Heavy Duty Battery Charger
- Built-In LED Annunciation 16 Channel .
- Interactive 20 x 4 LCD Display With HMI. **
- Manual Bypass **
- Static Bypass Switch **
- ** Optional Feature
- **Actual Product Image and Size Differs As per KVA Rating.**



TECHNICAL SPECIFICATIONS

• INPUT

- | | | |
|------------------------------|---|---|
| ➤ Input Configuration | : | Single Phase 2 Wire + earth. |
| ➤ KVA Rating | : | 5 To 10 KVA. |
| ➤ KW Rating | : | 2.4 To 8 KW. |
| ➤ Input | : | Single Phase 230VAC (Wide Range). |
| ➤ Input Frequency | : | 50 Hz (+3% - 3%) (53 - 47 Hz). |
| ➤ Input Converter | : | Full Bridge Full Controlled. |
| ➤ Input Cutt Off | : | Automatic For Input Over / Under Voltage Condition. |
| ➤ Input Surge Protection | : | Built In. |
| ➤ Input Power Walk In | : | 100% Within 15 To 20 Sec. With Soft Start. |
| ➤ Input Rectifier Efficiency | : | Better Than 80%. |
| ➤ Input Terminal | : | Suitable Termination Built In. |
| ➤ Nominal DC Voltage | : | 180 V Standard. |
| ➤ Nominal DC Ripple | : | Less Than 3% . |
| ➤ Battery Charger Type | : | Float Cum Boost 3 Step Charger. |
| ➤ Battery Charging | : | On Board Selectable 2 / 4 / 8 / 16A. |
| ➤ Float Voltage | : | Settable 2.2V To 2.3V Per Cell. |
| ➤ Boost Voltage | : | Settable 2.33V To 2.42V Per Cell. |
| ➤ Battery Type | : | Suitable For All Type Of Batteries. |

• IP ANNUNCIATION.

➤ Input On	LED
➤ DC On	LED
➤ Battery On Charge	LED
➤ Battery Charged	LED
➤ Rectifier Trip	LED
➤ Input UV	LED
➤ Input OV	LED
➤ DC OV	LED

• OUTPUT

➤ Output Configuration	: Single Phase 3 Wire.
➤ KVA Rating	: 5 To 10 KVA.
➤ KW Rating	: 2.4 To 8 KW.
➤ Output Isolation	: Two Limb Multi Winding Galvanic Isolation Transformer.
➤ Output Voltage	: 230 Volts +/- 1%
➤ Output Frequency	: 50 Hz +/- 0.1% In Free Run Mode.
➤ Output Power Factor	: 0.8 Lag To Unity.
➤ Output Waveform	: Sine Wave THD Less Than 2% .
➤ Output Inverter	: IGBT Based Double Edge SPWM RTWC.
➤ Topology	: VLSI / FPGA / DSP Based
➤ Inverter Efficiency	: More Than 90 %.
➤ Transient	: +/- 5% For 50% Step Load Change.
➤ Transient Recovery	: Within 1 Cycle.
➤ Crest Factor	: 1 : 3
➤ Over Load	: 110% For 10 min.
➤ Humidity	: 95% RH (Non Condensing).
➤ Acoustic	: Less Than 65 dB At a Distance 1 Meter.
➤ Cooling	: Forced Air.
➤ Protection	: IP 20
➤ Operating Temp	: 0 - 45 deg. Storage -10 To +65 Deg.

• OP ANNUNCIATION.

➤ Output On
➤ Input Fail
➤ Alarm On
➤ Battery Low
➤ System Trip
➤ Output UV
➤ Output OV
➤ Output OC

• METER

➤ Output Voltmeter.

• DIMENTION (Aprox)

	KVA	5	6	7.5	10
➤ Hight (MM)	➤	750	750	800	800
➤ Width (MM)	➤	350	350	450	450
➤ Depth (MM)	➤	650	650	650	650

• PROTECTIONS

➤ Input MCB	:	Built In
➤ Input Under Voltage	:	Electronic.
➤ Input Over Voltage	:	Electronic.
➤ Input Over Current	:	Circuit Breaker.
➤ Battery Input MCB	:	Built In
➤ Battery / DC Over Voltage	:	Electronic.
➤ Battery Over Current	:	Fuse.

• PROTECTIONS

➤ Battery Input	:	MCB / MCCB + Fuse
➤ Inverter Input	:	Semiconductor Fuse.
➤ Output Under Volt	:	Electronic.
➤ Output Over Volt	:	Electronic.
➤ Output Over Current	:	Electronic + MCB
➤ Output Short Circuit	:	Electronic.
➤ Battery Over Discharge	:	Electronic.
➤ Output	:	MCB / MCCB

• CONTROL

➤ Output On / Off.
➤ Output Reset.
➤ Alarm.



Email : streamlineups@gmail.com

Web : www.streamlineups.com