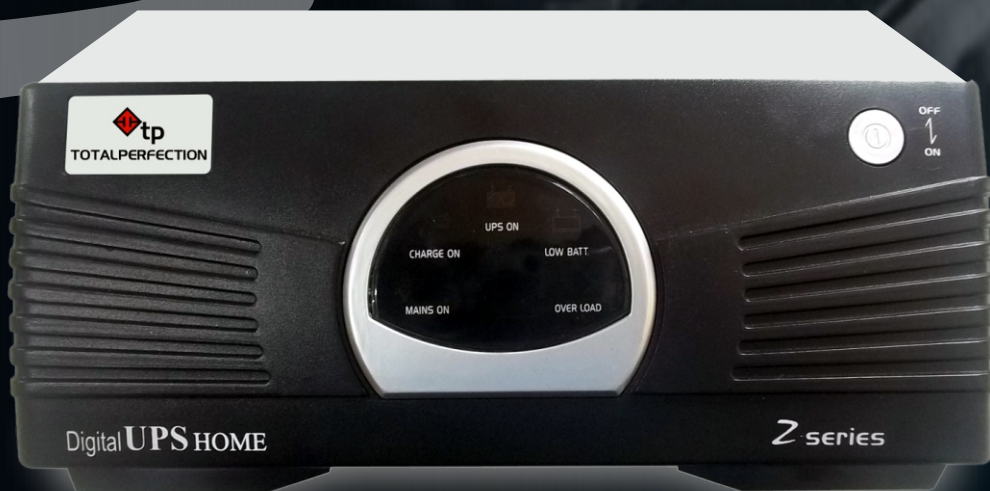




Total Perfection
is my strength...
it is me



Z_series

SPECIAL FEATURES

- Atom technology, rugged & compact design.
- High end microcomputer based TP Digital Z-series UPS ensures high safety & batter performance.
- Auto-Self testing with auto self fault detection mode.
- BTC- Battery Temperature Control ensures that battery temperature never exceeds beyond the standard limit & improves the battery life.
- Fewer water topping required.
- ZCT- Zero Cross Transition improve the life & reliability of the product.
- Yellow Mode- Neuro Intelligence i.e. gives low output at no load leads to enhance efficiency.
- Battery Equaliser- Equals the batteries voltages (optional applicable only for models for two or more batteries).
- BBP- Battery Bulge Protection disconnects the battery from the system, which saves the battery from bulging if SCR is short.
- Efficient AC to DC conversion.
- Green Mode- If the UPS is running for more than 10 hours without load in backup mode, no load shut down occurs.
- Optimized PWM controlled Quasi Square Wave output.
- Smart overload, short circuit & low battery protection with intelligent multi stage control protection.
- Auto reset, Z- Guard present inside the UPS senses the fault condition and automatically resets the UPS.
- Instantaneous "Phase in Output" protection to increase the reliability.
- Visual and Audio indications present (status/ fault).

* Note : The features are subject to change without notice due to the company policy of continuous product enhancement & improvement.

TECHNICAL SPECIFICATIONS*

| Parameter ↓ | Model → | 850,12V | 1050,12V | 1250,12V |
|------------------------------|---------|-------------------|----------|----------|
| Capacity | | 700VA | 900VA | 1100VA |
| I/P Range (Normal Mode) | | 100V-290V ±10V | | |
| I/P Range (UPS Mode) | | 180V-265V ±5V | | |
| O/P Voltage Battery Mode | | 220V ±17% | | |
| O/P Frequency Battery Mode | | 50Hz ± 0.5Hz | | |
| O/P Waveform Battery Mode | | Quasi Square Wave | | |
| Low Battery Alarm | | 10.4V ±0.2V | | |
| Low Battery Shutdown | | 10.2V ± 0.2V | | |
| Running Load | | 40A ± 2A | 50A±2A | 68A±2A |
| DC Voltage | | 12V | | |
| Overload | | 44A ± 2A | 54A±2A | 72A±2A |
| Charging Current | | 10A ± 1A | | |
| Charging Cut off | | 14.2V ; 13.7V | | |
| No Load Current | | <2.5A | | |
| Efficiency | | >85% | | |
| Battery Recommended Capacity | | 100Ah-200Ah | | |

Signature also available in External Battery UPS Model

*Specifications may change due to continuous improvement

LOAD CHART

| Application | 700VA | | 900VA | | 1100VA | |
|-------------|-------|---|-------|---|--------|---|
| | A | B | A | B | A | B |
| Fan | 3 | 2 | 4 | 3 | 5 | 3 |
| Tubelight | 2 | 2 | 3 | 3 | 5 | 3 |
| TV | 1 | - | 1 | - | 1 | - |
| Computer | - | 1 | - | 1 | - | 1 |
| CFL | 1 | - | 3 | - | 4 | 3 |

Note : The above load chart calculations are indicative values only and depends upon manufacturer specification Tubelight - 40W, CFL15W, 19-21"TV,14" TFT Monitor 48mm ceiling fan (3 blades,1000-1200mm sweep) When PC is running TV is not recommended

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