

# PETA POWER

## 1 KVA ONLINE

### Features

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

### Colorful Lcd



Rear panel



SNMP



Relay card



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### Technical specification



|                               |                                                                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MODEL</b>                  | Titanium PETA POWER 1 KVA ONLINE                                                                                                                      |
| <b>Capacity</b>               | 1 KVA / 900 W                                                                                                                                         |
| <b>INPUT</b>                  |                                                                                                                                                       |
| Nominal voltage               | 208/220/230/240Vac                                                                                                                                    |
| Input voltage range           | 110-300Vac (176-280Vac @ 100% load)                                                                                                                   |
| Frequency range               | 40-70Hz (50/60Hz Auto-Sensing)                                                                                                                        |
| <b>Power factor</b>           | ≥0.99                                                                                                                                                 |
| <b>OUTPUT</b>                 |                                                                                                                                                       |
| Output voltage                | 208/220/230/240Vac                                                                                                                                    |
| Power factor                  | 0.9                                                                                                                                                   |
| Voltage regulation            | ±1%                                                                                                                                                   |
| <b>"Output frequency"</b>     | "Line Mode :46-54Hz or 56-64Hz<br>Bat. Mode : (50/60±0.1%)Hz"                                                                                         |
| Crest factor                  | 3:1                                                                                                                                                   |
| Harmonic distortion (THDv)    | "≤3% Linear load<br>≤5% Non linear load"                                                                                                              |
| Transfer time                 | 0ms                                                                                                                                                   |
| <b>Output waveform</b>        | Pure Sinewave                                                                                                                                         |
| <b>EFFICIENCY</b>             |                                                                                                                                                       |
| <b>AC mode</b>                | 88%                                                                                                                                                   |
| Battery mode                  | 85%                                                                                                                                                   |
| <b>BATTERIES</b>              |                                                                                                                                                       |
| Battery number                | 2                                                                                                                                                     |
| Inbuilt battery               | 12V/9Ah X2                                                                                                                                            |
| Charging voltage              | 27.4Vdc±1%                                                                                                                                            |
| <b>Charging current (Max)</b> | 1A                                                                                                                                                    |
| Recharge time                 | 4 hours (to 90% of full capacity)                                                                                                                     |
| <b>INDICATORS</b>             |                                                                                                                                                       |
| LCD display                   | Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time |
| <b>ALARM</b>                  |                                                                                                                                                       |
| Battery mode                  | Beeping every 4 seconds                                                                                                                               |
| Low Battery                   | Beeping every second                                                                                                                                  |
| Overload                      | Beeping twice every second                                                                                                                            |
| Fault                         | Continuously beeping                                                                                                                                  |
| <b>ENVIRONMENT</b>            |                                                                                                                                                       |
| Operating temperature         | 0 -40                                                                                                                                                 |
| Storage temperature           | -25 -55                                                                                                                                               |
| Humidity range                | 20-95%RH @ 0-40 (Non condensing)                                                                                                                      |
| Altitude                      | <1500m, derating required when >1500m                                                                                                                 |
| Noise level                   | <50dB at 1 Meter                                                                                                                                      |
| <b>STANDARDS</b>              |                                                                                                                                                       |
| Safety                        | IEC/EN62040-1, IEC/EN62477-1                                                                                                                          |
| EMC                           | IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8                                                     |
| <b>PHYSICAL</b>               |                                                                                                                                                       |
| Dimension W x D x H (mm)      | 144 x 293 x 209                                                                                                                                       |
| Net weight (kg)               | 9.3                                                                                                                                                   |

"Specifications are subject to change without prior notice."