# DS-UPS06K-R/TJL , DS-UPS10K-R/TJL
# Online UPS



- Double conversion on-line design with input power factor correction (PFC) technology, achieving an input power factor of up to 0.99.
- Digital control system for enhanced stability and reliability.
- ECO operation mode for improved energy efficiency and reduced user costs.
- Three-stage charging: constant current charging, constant voltage charging, and floating charging stages are intelligently managed.
- Wide voltage input and frequency range for stable operation with different electrical scenario, and suit with various fuel generators.
- Comprehensive protections including output overload, output short-circuit, over-temperature, battery under-voltage warning, battery over-charging protection, and power-on self-diagnostic function;

## ▪ Specification

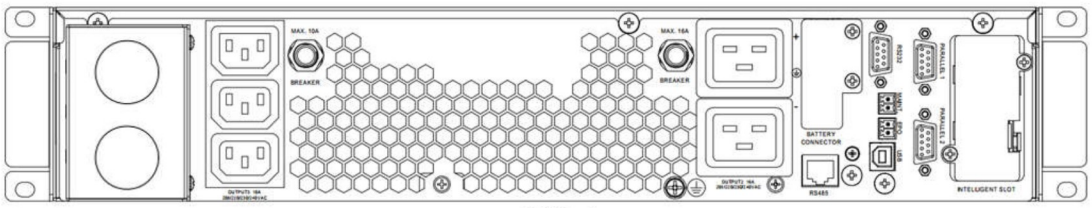
| Model | | DS-UPS06K-R/TJL | DS-UPS10K-R/TJL |
|---|---|---|---|
| **Power** | UPS Capacity | 6000 VA / 6000 W | 10000 VA / 10000 W |
| **Input** | Nominal Voltage | 208/220/230/240Vac | |
| | Phase | Single Phase | |
| | Input Voltage Range | 110~300Vac (110~300Vac@50% load/176~300Vac@100% load) | |
| | Input Frequency | 40~70Hz (50/60Hz Auto-Sensing) | |
| | Power factor | ≥0.99 | |
| **Output** | Output Voltage | 208/220/230/240Vac | |
| | Crest factor | 3:1 | |
| | Power factor | 1 | |
| | Output Sockets | IEC version: Connecting terminal +IEC socket<br>US version: Connecting terminal+US socket panel | |
| | Output Frequency | Online mode： ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)<br>Battery mode: (50/60±0.1%)Hz | |
| | Harmonic distortion (THDv) | ≤1% Linear load<br>≤3% Non linear load | |
| | Transfer Time | AC mode to Bat.mode: 0ms Inverter to Bypass: 0ms | |
| | Output Waveform | Pure Sinewave | |
| **Battery** | Battery Type | Valve Regulated Lead Acid (VRLA) | |
| | DC System Voltage (VDC) | 192/240Vdc (Settable) | |
| | Charging Current (Max.) | 12A | 15A |
| | Expandable Runtime | Yes,<br>External battery pack: DS-UPSB09192A-R/TJ , or DS-UPSB09240A-R/TJ | |
| **Indicator** | Alarm | Battery mode/Battery low voltage/Overload/Fault | |
| | LCD display | Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time | |
| **Efficiency** | AC Mode | Up to 95% | Up to 95.5% |
| | Battery Mode | Up to 93% | Up to 93.5% |
| **Environment** | Operating Temperature | 0℃ ~ 40℃ | |
| | Storage Temperature | -25℃ ~ 55℃ | |
| | Humidity Range | 0~95% (Non - condensing) | |
| | Altitude | ＜1000m, derating required between 1000~3000m | |
| | Noise Level | ≤50dB | |
| **Physical** | Dimension W x D x H (mm) | 440×621.5×86.5 | |
| | Net weight (kg) | 15.5 | 17 |
| **Standards** | Safety | CE-LVD IEC/EN 62040-1, IEC/EN 62477-1<br>UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + GI1 | |
| | EMC | CE-EMC IEC/EN 62040-2 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, | |

| | | |
|---|---|---|
| | | IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11, IEC61000-2-2) |
| | Environment | CE-RoHS; WEEE; REACH |

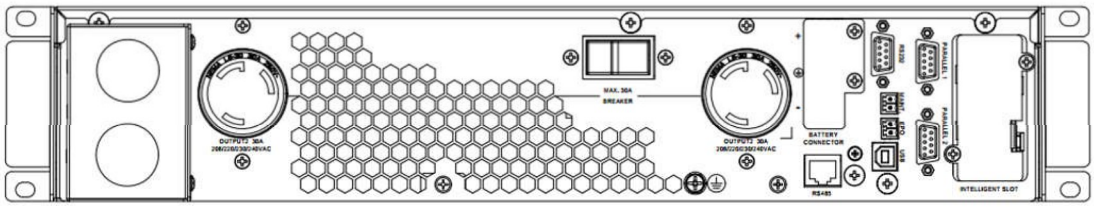
## ▪ Physical Interface

Rear panel:

DS-UPS06K-R/TL
DS-UPS10K-R/TL




IEC Version




US Version

# See Far, Go Further

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