

# DT Series 6-10 kVA

1/1 Online UPS



HIGH EFFICIENCY



CLEAN ENERGY



ECO-FRIENDLY TECHNOLOGY



ALL DEVICES COMPATIBLE



*DT Series Online Double Conversion UPS has DSP microprocessor unit and thanks to DSP it handles most critical duties for home, office, laboratory appliances and provides enhanced power protection.*

*It has standardized many of the optional features offered by its competitors. In addition to being 10% stronger than its competitors with 1 output power factor, its efficiency is 5% higher. In addition, it has the infrastructure to support long back-up times when necessary with its standard charging capability up to 12 amps. Necron has set the flag at the top, as always, with the DT series, which represents the latest technology.*

DT Serisi Online Çift Çevrim UPS, DSP mikroişlemci ünitesi sayesinde ev, ofis, laboratuvar için en önemli kritik görevlerin üstesinden gelir ve gelişmiş güç koruması sağlar.

Rakiplerinin opsiyonel olarak sunduğu birçok özelliği standart haline getirmiştir. 1 çıkış güç faktörü ile rakiplerinden %10 daha güçlü olmasına ilave olarak verimi %5 daha fazladır. Ayrıca 12ampere kadar standart şarj kabiliyeti ile gerektiğinde uzun yedekleme sürelerini destekleyecek altyapıya sahiptir. Necron yine, son teknolojiyi temsil eden DT serisi ile bayrağı her zaman olduğu gibi zirveye dikmiştir.

DT Series

| Technical Specifications            | DT6K   | DT10K          |
|-------------------------------------|--|----------------|
| Rated Power / Output Active Power   | 6 kVA / 6 kW   | 10 kVA / 10 kW |
| <b>INPUT</b>                        |  |                |
| Input Formats                       | L+N+PE   |                |
| Rated Input Voltage                 | 208/220/230/240VAC   |                |
| Voltage Range                       | 110~300VAC, 110~176VAC, 276~300VAC (Power Limited)   |                |
| Frequency Range                     | 50/60 ± 6Hz (Default) ± 10Hz (Settable)  |                |
| Input Power Factor                  | ≥0.99  |                |
| Input Harmonic Distortion           | ≤5% THD (Linear Load), ≤8% THD (Non-Linear Load) (PF=0.8)  |                |
| <b>OUTPUT</b>                       |  |                |
| Output Formats                      | L+N+PE   |                |
| Output Voltage                      | 208/220/230/240VAC   |                |
| Output Accuracy                     | ±1%  |                |
| Output Frequency                    | Online Mode: According to AC Frequency, Battery Mode: 50/60 Hz±0.1%  |                |
| Output Harmonic Distortion          | ≤ 2% THD (Linear Load), ≤ 5% THD (Non-Linear Load)   |                |
| Output Power Factor                 | 1  |                |
| Switching Time                      | AC Mode to Battery Mode zero, Inverter to Bypass 4ms (Typical)   |                |
| Over Load Capacity                  | AC Mode: 30min@102%~110% Load; 10min@110%~130% Load; 30s@130%~150% Load; 500ms@>150% Load<br>Bat. Mode: 10min@102%~110% Load; 10min@110%~130% Load; 10s@130%~150% Load; 500ms@>150% Load |                |
| <b>MACHINE EFFICIENCY</b>           |  |                |
| AC Mode (Full Load Efficiency)      | Maximum 95.5%@220VAC   |                |
| Battery Mode (Full Load Efficiency) | Maximum Efficiency 95,3%, Full Load Efficiency 94,8% 240VDC  |                |
| <b>BATTERY</b>                      |  |                |
| Battery Type                        | Lead Acid Battery  |                |
| Battery Quantity                    | 16/18/20pcs Adjustable, Default 16pcs 192V - 7-9Ah   |                |
| Charging Current                    | 1-12A Adjustable   |                |
| Charging Mode                       | Two / Three Period Charging  |                |
| <b>ENVIRONMENT</b>                  |  |                |
| Working Ambient Temperature         | 0~40°C   |                |
| Working Ambient Humidity            | 20%~95% (No Condensation)  |                |
| Storage Temperature                 | -15~60°C (Battery: 0~40°C)   |                |
| Altitude                            | <1000m, Derating at Above 1000m, Maximum 4000m, Refer to IEC62040  |                |
| Noise Level                         | <50db  |                |
| Gross Weight [kg]                   | 53,5   | 61             |
| Dimensions (WxDxH) [mm]             | 250x520x616  |                |
| <b>STANDARDS</b>                    |  |                |
| Safety / EMC / LVD / Performance    | EN / IEC 61000, EN / IEC 62040, GB / T7260, GB / T 4943, YD / T 1095, TL Cets.   |                |
| <b>COMMUNICATION INTERFACE</b>      |  |                |
| Interface                           | RS232, USB, EPO Connector (Optional: SNMP Card, DRY-Contact)   |                |

Load at Altitude = Rated Power x Derating Factor (Altitude Corresponding)

| Altitude (m)    | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 |
|-----------------|------|------|------|------|------|------|------|------|------|
| Derating Factor | 100% | 95%  | 91%  | 86%  | 82%  | 78%  | 74%  | 70%  | 67%  |



Notice: If machine is used at above 1000m, Diminishing ratings output must be used, please refer to above table for derating factor. Because UPS model's parameters is different, so the product weight different, please according to the physical pject. Is necessary, please consult with the sales.