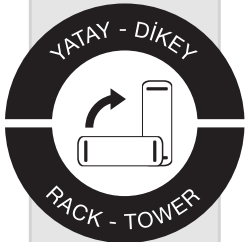
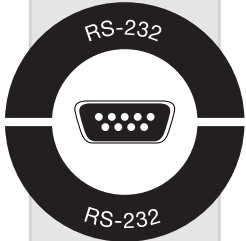


# DT-R Series 1-10 kVA

1/1 Online UPS



*High Performance DT-R UPS is designed for server cabinets.*

*DT-R series online double conversion UPS has the same specifications with DT series and it provides the necessary power protection in a small and compact size like 19" Rack Mount Case and it is designed for server cabinets and data center applications, It also offers high online mode efficiency and Smart Eco Mode features which is superior to its rivals. Thus, DT-R's are saved the position in the forefront among its rivals.*

DT-R serisi, server kabinleri için tasarlanmış yüksek performanslı ürünlerdir.

DT-R serisi online çift çevrim UPS DT serisi ile aynı teknik özelliklere sahiptir, ayrıca server kabinleri ve bilgi merkezleri için tasarlanmış 19"lik raf tipi kasası, küçük ve kompakt dizaynı ile gerekli güç korumasını sağlar. Ayrıca DT-R Serisi rakiplerine göre üstün olarak yüksek online mod verimi ve Akıllı Ekonomi Modu özelliklerini sunar. Rakipleri arasında ön sırada yerini korumaya devam eder.

| Technical Specifications          |   | DT-R Series    |                |   |                 |
|-----------------------------------|---|----------------|----------------|---|-----------------|
| Rated Power / Output Active Power | 1 kVA / 900 W   | 2 kVA / 1.8 kW | 3 kVA / 2.7 kW | 6 kVA / 5.4 kW  | 10 kVA / 9 kW   |
| GENERAL                           |   |                |                |   |                 |
| UPS Type / Technology             | Standalone Tower Type / True Online Double Conversion   |                |                |   |                 |
| MTBF / MTTR                       | > 210 000 hrs / < 30 mins.  |                |                |   |                 |
| Output Power Factor               | 0.9   |                |                |   |                 |
| Display Parameteres via LCD       | Operation Status; Load & Batt. Capacity Levels in Bars for 25%; Output Voltage & Frequency; Apparent Power (kVA) & Active Power (kW) info for Output Load; Batt. Voltage (VDC) & Remainin % on Batt. Mode; Maximum Internal Temperature; Load % |                |                |   |                 |
| Smart Features / Smart Eco Mode   | Cold Start; AC Restart; Auto Restart / Standard; User Selectable  |                |                |   |                 |
| True Redundancy / [ N+1 ]         | _____   |                |                | N+1&N+X Paralleling Options / Up To 8 Units   |                 |
| Protections                       | Over Temperature, Overload Protections; Fan Testing; Battery Testing; AC Line & Neutral Reverse Connection, Output Short Circuit Protection (Network; Fax; Modem)   |                |                |   |                 |
| Troubleshooting                   | Self Diagnosis at Initializing; Overload, Battery Low, Battery Disconnected, 27 Different Warnings & Alarms; Indicators for Operation Status  |                |                |   |                 |
| EFFICIENCY                        |   |                |                |   |                 |
| Overall Efficiency                | ≥90% @ 100% Rated Load  |                |                | ≥92% @ 100% Rated Load  |                 |
| Smart Eco Mode Efficiency         | ≥98% @ 100% Rated Load  |                |                |   |                 |
| INPUT                             |   |                |                |   |                 |
| Rated Voltage                     | 220VAC + PE 2Wires for 1 Phase  |                |                |   |                 |
| Voltage Range                     | 110~300 VAC (50% & 100% Rated Load);<br>176~280 VAC (No Loss); 280~300 VAC (%50 Lost);  |                |                | 110~160 VAC (50% & 100% Rated Load);<br>160~280 VAC (No Loss); 280~300 VAC (%50 Lost);        |                 |
| Rated Frequency                   | 50 / 60 Hz  |                |                | 115~295 ± 5 VAC @ 50% Rated Load;   |                 |
| Frequency Range                   | 50 / 60 Hz ± 5Hz (Self Synchronized)  |                |                | 165~295 ± 5 VAC @ 100% Rated Load   |                 |
| Power Factor                      | ≥ 0.99  |                |                |   |                 |
| THDi                              | < 6%  |                |                | < 5%  |                 |
| OUTPUT                            |   |                |                |   |                 |
| Rated Voltage / Voltage Accuracy  | 208 / 220 / 230 / 240 VAC + PE 2 Wires for 1 Phases (User Selectable) / ≤1%   |                |                |   |                 |
| Rated Frequency / Freq. Accuracy  | 50 / 60 ± 0.2 Hz  |                |                |   |                 |
| THDv                              | < 3% (Linear Load), < 5% (Non-Linear Load)  |                |                |   |                 |
| Crest Factor                      | 3:1   |                |                |   |                 |
| Overload Capability               | Continuous Operation @ 100~105% Rated Load;<br>30 sec. @ 105~150% Rated Load;<br>300ms @ > 150% Rated Load  |                |                | 3 mins @ 105%~125% Rated Load;<br>30 sec. @ 125%~150 Rated Load;<br>100ms @ > 150% Rated Load |                 |
| BATTERY                           |   |                |                |   |                 |
| Rated Voltage (DC) / Quantity     | 24VDC/2x12VDC   | 48VDC/4x12VDC  | 72VDC/6x12VDC  | 192VDC/16x12VDC   | 192VDC/16x12VDC |
| COMMUNICATION                     |   |                |                |   |                 |
| Advanced Communication            | RS232, Dry Contacts (Optional), SNMP (Optional), TCP-IP, EPO, USB (Optional)  |                |                |   |                 |
| Remote ON/OFF                     | Remote EPO or SNMP over LAN   |                |                |   |                 |
| ENVIRONMENT                       |   |                |                |   |                 |
| Operating Temperature             | 0°C to 40°C   |                |                |   |                 |
| Recommended Operating Temperature | 15°C to 25°C  |                |                |   |                 |
| Storage Temperature               | -25°C to 70°C   |                |                |   |                 |
| Altitude / Relative Humidity      | < 1500m (Without Derating); Derating > 1500m - 0.8% per 100m / <95%, Non-Condensing   |                |                |   |                 |
| Audible Noise                     | <50dBA  |                |                | <55dBA  |                 |
| STANDARDS                         |   |                |                |   |                 |
| Safety / EMC / LVD / Performance  | TSE / IEC62040-1 / IEC62040-2 / IEC61000-4 / IEC62040-3   |                |                |   |                 |
| DIMENSIONS & WEIGHT               |   |                |                |   |                 |
| Dimensions (WxDxH) [mm]           | 440x468x88  | 440x740x132    |                | 483x565x132   |                 |
| Weight [kg]                       | 14.8  | 28.5           | 33.5           | 19  |                 |