

DTR-LI Series 1-3 kVA

1/1 Online UPS



HIGH EFFICIENCY



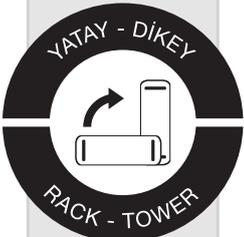
CLEAN ENERGY



ECO-FRIENDLY TECHNOLOGY



ALL DEVICES COMPATIBLE



DTR-LI 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.

Lithium Battery Advantages

- 3 Times more charge-discharge count **
- 20min supply time at full load with built-in lithium battery pack **
- 6 Times longer backup time **
- 2 Times longer life expectancy **
- 60% Lighter **
- Takes up 50% less space **

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

Lithium Batarya Avantajları

- * 3 Kat daha fazla şarj-deşarj sayısı*
- * Dahili lithium akü grubu ile tam yükte 20 dk bekleme süresi*
- * 6 Kat daha uzun yedekleme süresi*
- * 2 Kat daha uzun ömür beklentisi*
- * %60 Daha hafif*
- * %50 Daha az yer kaplar*

Technical Specifications	DTR-1LI	DTR-2LI	DTR-3LI
Rated Power / Output Active Power	1 kVA / 800W	2 kVA / 1600W	3 kVA / 2400W
INPUT			
Input Formats	L+N+PE		
Rated Input Voltage	208/220/230/240VAC		
Voltage Range	110~300VAC, 110~176VAC, 280~300VAC (Power Limited)		
Frequency Range	50/60 ± 6Hz (Default) ± 10Hz (Setable)		
Input Power Factor	≥0.99		
Input Harmonic Distortion	≤3% THD (Linear Load), ≤5% THD (Non-Linear Load) (PF=0.8)		
OUTPUT			
Output Formats	L+N+PE		
Output Voltage	208/220/230/240VAC		
Output Accuracy	±1%		
Output Frequency	AC Mode: Same as AC, Battery Mode: 50/60 Hz±1%		
Output Harmonic Distortion	≤ 3% THD (Linear Load), ≤ 5% THD (Non-Linear Load) PF=0.8		
Output Power Factor	0.8		
Transform Time	AC Mode to Battery Mode: 0ms, Inverter Mode to Bypass Mode 4ms		
Over Load Capacity	AC Mode: 30min@102%~110% Load; 10min@110%~130% Load; 30s@130%~150% Load; 200ms@>150% Load Battery Mode: 1min@102%~110% Load; 10s@110%~130% Load; 3s@130%~150% Load; 200ms@>150% Load		
MACHINE EFFICIENCY			
AC Mode (Full Load Efficiency)	Full Load Efficiency 94.5%@220VDC	Full Load Efficiency 95.5%@220VDC	
Battery Mode (Full Load Efficiency)	Full Load Efficiency 89.5%@36VDC	Full Load Efficiency 91.5%@72VDC	
BATTERY			
Battery Lifecycle	>2000		
Single Cell Type	LFP26700-3600mA		
Battery Cell Configuration	12x3.2V/7.2Ah	24x3.2V/7.2Ah	24x3.2V/10.8Ah
Battery Voltage	38.4V	76.8V	76.8V
Autonomy Time	20 Min		
Charging Voltage	42VDC ± 1%	84VDC ± 1%	84VDC ± 1%
Charging Mode	2 State Charging Management (CC-CV)		
Charging Current	4A Default, 12A (Max)		4A Default, 4A (Max)
WORKING ENVIRONMENT			
Ambient Temperature	0~40°C		
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		
LCD	Working Mode / Load / Battery Power / Input / Output ECT		
Case Size (WxHxD) [mm]	438x88 (2U)x413	438x88 (2U)x532	438x88 (2U)x532
Weight [kg]	10.75	14.35	18.35
STANDARDS			
Standard & Certification	EN / IEC 61000, EN / IEC 62040, GB / T 4943, YD / T 1095, TLC ets.		
COMMUNICATION INTERFACE			
Interface	1*USB, 1*RS232, 1*EPO		

* Derate capacity to %80 when the output voltage is adjusted to 208VAC