

DT-V Series 1-10 kVA

1/1 Online UPS

FAMCO
هایپر صنعت



NECRON is releasing Tower type Online UPS with the best price/quality ever in market.

DT-V series provide better output power factor up to 0.9 with high performance and efficiency for critical applications.

DT-V series optimize reliability by having microprocessor controller.

For DT-V 1-3 kVA UPS charging current can be adjust as 1-3,5 A and for DT-V 6-10 kva UPS charging current can be adjust as 1-2-4-6 A.

NECRON en iyi fiyat/kalite performansı ile UPS sektöründe yeni bir cihaz piyasaya sürmektedir.

DT-V serisi 0.9 çıkış güç faktörü ile kritik uygulamalar için yüksek performans ve verimlilik sağlar.

DT-V serisi sahip olduğu mikro işlemci ile yüksek güvenilirlik sunmaktadır.

DT-V 1-3 kVA UPS'lerde şarj akımı 1-3, 5A, DTV 6-10 kVA UPS'lerde 1-2-4-6 A olarak ayarlanabilir.

Power Electronics & Data Center Infrastructure Solutions

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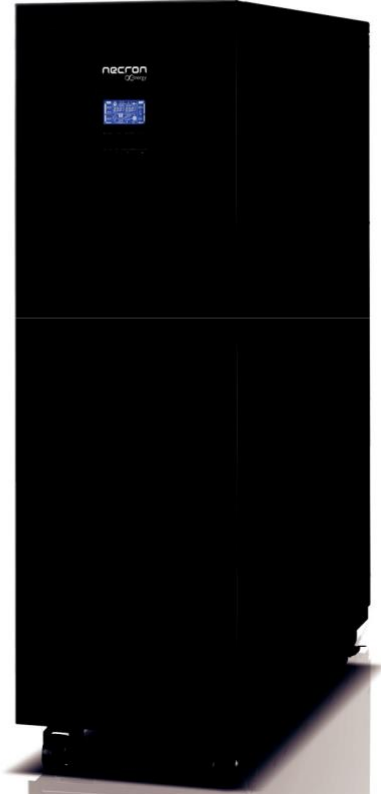
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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

NECRON
OEnergy

Technical Specifications		DT-V Series				هایپرمصنعت
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 Parameters 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					
Protections	Over Temperature, Overload Protections; Fan Testing; Battery Testing; AC Line & Neutral Reverse Connection, Output Short Circuit Protection (Network; Fax; Modem)					
Troubleshooting	Manual Bypass Switch (Optional); Self Diagnosis at Initializing; Overload, Battery Low, Battery Disconnected, Different Warnings & Alarms; Indicators for Operation Status					
EFFICIENCY						
Overall Efficiency	88%	89%	90%	92%	93%	
Smart Eco Mode Efficiency	≥98% @ 100% Rated Load					
INPUT						
Rated Voltage	200/208/220/230/240VAC + PE			208/220/230/240VAC + PE		
Voltage Range	120~300 VAC @ 50% Rated Load; 180~280 VAC @ 100% Rated Load;			110~300 VAC @ 50% Rated Load; 176~300 VAC @ 100% Rated Load;		
Rated Frequency	50 or 60 Hz					
Frequency Range	40~70 Hz			46~54 Hz or 56~64 Hz		
Power Factor	≥ 0.99					
THDi	≤ 5% @ 205-245VAC or 100~130VAC			< 4% @ 100% Load; <6% @50% Load		
OUTPUT						
Rated Voltage / Voltage Accuracy	200/208/220/230/240 VAC + PE 2 Wires For 1 Phases / ≤1%			208/220/230/240 VAC		
Rated Frequency / Freq. Accuracy	50 ~ 60 ± 0.1 Hz / 46 ~ 54 Hz or 56 ~ 64 Hz (AC synchronized)					
THDv	≤ 3 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)					
Crest Factor	3:1					
Overload Capability	100% ~ 110%: 3.5min; 110% ~ 130%: 1min; >130% : 1sec			100% ~ 110%: 10min; 110% ~ 130%: 1min; >130% : 1sec		
BATTERY						
Rated Voltage (DC) / Quantity	24VDC/2x12VDC	48VDC/4x12VDC	72VDC/6x12VDC	192VDC/16x12VDC		
COMMUNICATION						
Advanced Communication	RS232, USB / Dry Contacts, SNMP, TCP-IP, EPO (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	< 58dBA	
STANDARDS						
Safety / EMC / LVD / Performance	TSE / IEC62040-1 / IEC62040-2 / IEC61000-2 / IEC61000-4 / CE					
DIMENSIONS & WEIGHT						
Dimensions (WxDxH) [mm]	145x282x220	145x397x220	190x421x318	190x369x688	190x442x668	
Weight [kg]	9.8	17	27,6	61	66	



HT-V series online UPS is designed by having 3 phase input/3 phase output, adjustable battery numbers, small footprint, and integrated with dual inputs.

HT-V interruptible power supplies are an elegant system having DSP technology, active power factor correction, double conversion to guarantee better output voltage, power performance, and power quality in all times. Besides, all required parameters will be observed and reached via LCD panel and so all procedures will be substantiated easily and quickly.

HT-V serisi online UPS 3 faz giriş-3 faz çıkış, ayarlanabilir akü adedi ve çift şebeke girişine sahip tasarımı ile göze çarpmaktadır.

HT-V serisi kesintisiz güç kaynağı DSP teknolojisi, aktif güç düzeltme faktörü, çift dönüşüm, vb. özelliklerine sahip her zaman daha iyi çıkış gerilimi, güç performansı ve güç kalitesi garantileyen mükemmel bir sistemdir.

Bunun dışında bütün istenilen parametreler LCD ekran sayesinde gözlenmiş olacak ve böylece tüm işlemler kolay ve hızlı bir şekilde gerçekleşecek.

Technical Specifications		HT-V Series					هایپرمنعت
Rated Power / Output Active Power	10 kVA 9 kW	15 kVA 13.5 kW	20 kVA 18 kW	30 kVA 27 kW	40 kVA 36 kW	60 kVA 54 kW	80 kVA 72 kW
GENERAL							
UPS Type / Technology	Standalone Tower Type / True Online Double Conversion Technology						
Output Power Factor	0.9						
Display Parameteres via LCD	Input Phase to Neutral Voltage, Input Phase to Phase Voltage, Input Frequency, Output Phase to Neutral Voltage, Output Phase to Phase Voltage, Output Phase Current, Output Frequency, Battery Status, Load Status, Alarm Code, and Fault Codes						
Smart Features / Smart Eco Mode	Cold start, AC Restart, Auto Restart / Standard: User Selectable						
True Redundancy / [N+1]	N+1 & N+X Paralleling Option / Up To 3 Units						
Protections	Output Short Circuit Protection, Over Load Protection, Main Input Fuse Protection, Battery Input Fuse Protection, Bypass Protected by Input Breaker, Over Temperature Protection, and Other Inside Protection						
Troubleshooting	Battery Open, IP Neutral Loss, IP Phase Abnormal, Over Charge, Battery Low, Overload, Fan Failure, EPO Enable, Over Temp., Charger Fail, Bypass Unstable, Charger Short, Battery Voltage Unbalanced, Battery High, Etc...						
EFFICIENCY							
Overall Efficiency	93%				95%		
Smart Eco Mode Efficiency	98%						
INPUT							
Rated Voltage	360 / 380 / 400 / 415 VAC 3Ph+N+GND						
Voltage Range	304-478 VAC (3Ph)						
Rated Frequency	50 / 60 Hz						
Frequency Range (Selectable)	46~54 Hz / 56~64Hz						
Power Factor	≥ 0.99 @ 100% Load						
THDi	<5% (Full Load)				<3% (Full Load)		
OUTPUT							
Rated Voltage / Voltage Accuracy	360 / 380 / 400 / 415 VAC 3Ph+N+GND						
Rated Frequency / Freq. Accuracy	46~54Hz / 56~64Hz (Synchronized) / 50 Hz ± 0.1 Hz / 60 Hz ± 0.1 Hz (Battery)						
THDv	≤ 2 % (Lineer Load); ≤ 5 % (Non-Lineer Load)						
Crest Factor	3:1 (Maximum)						
Overload Capability	100%~110%: 10dk; 110%~130%: 1dk; >130% : 1sn (AC mode) 100%~110%: 30sn; 110%~130%: 10sn; >130% : 1sn (Battery mode)						
BATTERY							
Rated Voltage (DC) / Quantity	240VDC / 20 Number				±192VDC / 32-36-38-40 Number		
Charge Current	1-4A				4A	8A	
COMMUNICATION							
Advanced Communication	RS232, USB 1.1, EPO / RS485 / Dry Contact / SNMP & Web Browser (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	< 1000 m / <95% Non-Condensing						
Audible Noise	< 58dBA	< 60dBA			< 70dBA		
STANDARDS							
Safety / EMC / LVD / Performance	IEC/EN 62040-2, IEC/EN 61000-4-3, IEC/EN 61000-4-4, IEC/EN 61000-4-5, IEC/EN 61000-4-6, IEC/EN 61000-4-8, IEC/EN 61000-2-2, IEC/EN 62040-1, TSE, CE						
DIMENSIONS & WEIGHT							
Dimensions (WxDxH) [mm]	250x815x826	250x815x826		300x815x1000	300x815x1000	790x360x1010	
Net Weight [kg]	109	164		233.5	257	108	113
Gross Weight [kg]	127	182		250.5	276	126	131