



**UPS EVD PLUS RT 10KVA – 15KVA - 30KVA**  
Online Double Conversion with Full Digital  
EVD Series UPS 3PH IN - 1PH OUT  
10000VA > 30000VA



**3PH 1PH**

**230 VAC**

**POWER FACTOR 1.0**



**SPECIFICATION**

MODEL	TLEVD10-RT	TLEVD15-RT	TLEVD20-RT
CAPACITY (VA/WATTS)	10K/10K	15K/15K	20K/20K
<b>INPUT</b>			
NOMINAL VOLTAGE	380/400/415 (3PH+N+PE)		
OPERATING VOLTAGE RANGE	138~485VAC FOR 40%LOAD; 305~485VAC FOR FULL-LOAD		
OPERATING FREQUENCY RANGE	40~70HZ		
POWER FACTOR	≥0.99		
HARMONIC DISTORTION (THDI)	≤3% (100% LINEAR LOAD)		
<b>BYPASS INPUT</b>			
BYPASS VOLTAGE RANGE	MAX. VOLTAGE:220V: +25%(OPTIONAL +10%,+15%,+20% ) ; 230V: +20%(OPTIONAL +10%,+15% ) ; 240V: +15%(OPTIONAL +10%) MIN. VOLTAGE: -45% (OPTIONAL -10%,-20%,-30%)		
BYPASS FREQUENCY RANGE	FREQUENCY PROTECTION RANGE: ±10%		
GENERATOR INPUT	SUPPORT		
<b>OUTPUT</b>			
OUTPUT VOLTAGE	220/230/240VAC,(P-N)		
POWER FACTOR	1.0		
OUTPUT FREQUENCY (HZ)	LINE MODE : SYNCHRONIZE WITH INPUT ; WHEN INPUT FREQUENCY >±10%% (±1%、±2%、±4%、±5% OPTIONAL, OUTPUT FREQUENCY 50×(1±0.1%)HZ BATTERY MODE : (50/60±0.1%)HZ		
WAVEFORM	PURE SINE WAVE		
CREST FACTOR	3:1		





HARMONIC DISTORTION (THDV)	≤2% (100% LINEAR LOAD) ; ≤4% (100% NON LINEAR LOAD)		
TRANSFER TIME (MS)	0 MS		
EFFICIENCY	UP TO 95		
OVERLOAD	≤110% OVERLOAD FOR 60 MIN; 125% OVERLOAD FOR 10 MIN; ≤150% OVERLOAD FOR 1 MIN		
BYPASS MODE	135% OVERLOAD FOR LONG TERM; >1000% OVERLOAD FOR 100 MS		
<b>BATTERY</b>			
BATTERY VOLTAGE	FOR OPTIONAL : OPTIONAL VOLTAGE: ±180/192/204/216/228/ 240/252/264/276/288/300VDC (30/32/34/36/38/40/42/44/ 46/48/50PCS OPTIONAL); 360VDC~600VDC (30~50 PCS, 30 PCS DEFAULT, 36~50 PCS FULLY OUTPUT ; 32~34 PCS OUT PUT POWER FACTOR 0.9; 30 PCS OUTPUT POWER FACTOR 0.8;)		
MAX CHARGER CURRENT (A)	18		20
<b>OTHERS</b>			
ALARM FUNCTION	OVERLOAD、UTILITY ABNORMAL、UPS FAIL、BATTERY LOW VOLTAGE ETC		
PROTECTION FUNCTION	SHORT CIRCUIT、OVERLOAD、OVERHEAT、BATTERY LOW、OUTPUT LOW VOLTAGE、FAN FAULT、ANTI-THUNDER		
<b>SYSTEM FEATURES</b>			
OVERLOAD	LINE MODE	LOAD≤110%: LAST 60MIN, ≤125%: LAST 10MIN, ≤150%: LAST 1MIN, ≥150% TURN TO BYPASS MODE IMMEDIATELY	
	BAT. MODE	LOAD≤110%: LAST 10MIN, ≤125%: LAST 1MIN, ≤150%: LAST 5S, ≥150% SHUT DOWN UPS IMMEDIATELY	
	BYPASS MODE<40C<="" STYLE=""BOX-SIZING:" BORDER-BOX;">	BREAKER( LOAD < 125%, LONG-TERM OPERATION)	
SHORT CIRCUIT	HOLD WHOLE SYSTEM		
COMMUNICATION INTERFACE	RS232, RS485, PARALLEL, INTELLIGENT SLOT(SNMP CARD/ RELAY CARD(OPTIONAL)), BMS (OPTIONAL),EPO PORT, OUTPUT PORT, MAINTAIN-AUXSWS		
<b>PHYSICAL</b>			
DIMENSION W×H×D (MM)	443 X1 31 (3U) X 580 MM		
NET WEIGHT (KG)	29	31	32
<b>ENVIRONMENT</b>			
OPERATING TEMPERATURE	0~40C		
STORAGE TEMPERATURE	-25C~60C		
HUMIDITY RANGE	0~95% (NON-CONDENSING)		
ALTITUDE	<1500M (WHEN EXCESS 1500M, ACCORDING TO GB/T 3859.2 TO DERATING)		
NOISE LEVEL	<55DB		
<b>ENVIRONMENT</b>			
SAFETY	IEC/EN62040-1,IEC/EN60950-1		
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		

