

# 3 PHASE UPS-High Frequency Online UPS

Model	DT33-10KS DT33-10KL	DT33-15KS DT33-15KL	DT33-20KS DT33-20KL	DT33-30KS DT33-30KL	DT33-40KS DT33-40KL	DT33-60KS DT33-60KL	DT33-80KL	DT33-100KL	DT33-120KL	DT33-160KL
UPS Photo										
Capacity	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA	100kVA	120kVA	160kVA
<b>Input</b>										
Phase	3 Phase 4 Wires and Ground									
Rated Voltage	380/400/415Vac									
Operating voltage range	138~485Vac									
Operating Frequency Range	40Hz ~ 70 Hz									
Power Factor	≥ 0.99									
THDi	≤ 3% (100% linear load) ; ≤ 5% (100%nonlinear load)									
Bypass voltage range	Max,voltage:220Vac +25%(optional +10%,+15%,+20%); 230Vac: +20%(optional +10%,+15% ); 240Vac:+15%(optional+10%)									
	Min.voltage:-45%(optional-10%,-20%,-30%) Frequency protection range:±10%									
Generator input	Support									
<b>Output</b>										
Phase	3 Phase 4 Wires and Ground									
Output Voltage	380/400/415Vac									
Voltage regulation	±1%									
THDu	≤2% (with linear load) ; ≤4% (with nonlinear load)									
Power Factor	0.9 or 1.0									
Output frequency	Utility Mode: ± 1%/± 2%/± 4%/± 5%± 10% optional; Battery Mode:(50/60± 0.1%)Hz									
Crest factor	3:1									

Efficiency	95%									
Overload	Loads 110%, last 60min; <125%, last 10min; <150%, last 1min; >150% change to bypass									
<b>Transfer Time</b>	Utility to Battery : Oms; Utility to bypass: Oms									
<b>Battery</b>										
Quantity(10-40KL)	Max 40pcs interal 7ah/9ah space					Max 80pcs interal 7ah/gah space				
Quantity(10-40KS 60KS)	Max 80pcs interal 7ah/gah space					Max 80pcs interal 7ah/gah space				
Charge Current	5A Max.		10A Max.		15A Max.	20A Max.	30A Max.		45A Max.	
<b>Physical</b>										
Dimensions-L (mm)	790*280*720				945*400*985	850*600*1550				
Dimensions-S (mm)	945*400*985				/					
Net Weight	53.5/97.5	54/98	54.5/98.5	55.5/101	60.5/106	117	269	280	281	315
<b>Environment</b>										
Working Temperature	0~ 40°C battery life will be shorten when temperature> 25°C									
Relative Humidity	0~95% no condensation									
Altitude	1000 meters no derate, > 1000 meters derating 1% for every 100 meters rise									
Noise	≤55dB (A)@ 1 meter				≤58dB	≤65dB		≤68dB		
<b>Management</b>										
Communication	USB, CAN,RS485, FE, Parallel card, Dry contact card(optional), SNMP card(optional).LBS(60-160kVA optional ),temperature sensor (optional)									
Protection	short circuit, overioad, over temperature, battery low, fan fault alarm									

**Note: If any place do not meet your requires, the UPS can be changed according to your requirements.**