

DTC33 Series Tower Online UPS 15-40kVA (208V/220V)

The DTC33 series tower UPS is designed for the overseas 208V market, it has a high output power factor, high system efficiency and small floor space which is easy to deploy. Its compact structure and quick-installation battery pack make it become an ideal choice for data centers.



Application

- IDC (Internet Data center), ISP, Server Room, Data Center, Critical devices

Features

- High efficiency, up to 94%
- Battery cold start
- Parallel up to 3 units
- Output power factor =1
- Input current THDi < 4%
- Friendly operation interface, high-resolution LCD screen
- Battery management with smart charging control
- Four circuit breakers, easier to operation, less human fault

Specification

MODEL	DTC33015CS	DTC33020CS	DTC33030CS	DTC33040CS
	DTC33015CL	DTC33020CL	DTC33030CL	DTC33040CL
System Capacity	15kVA	20kVA	30kVA	40kVA
INPUT				
Phase	3 phases + Neutral + Ground, 208V/220V (line-line)			
Nominal Input Voltage	208/220VAC			
Input voltage Range	177~239Vac (line-line), full load; 187~253 (line-line), full load; 125~177/132~187Vac (line-line), load decrease linearly from 100% to 40% according to the min phase voltage			
Input Frequency Range	40Hz ~ 70Hz			
Input PF	0.98 > 25% load, 0.99 > 50% load			
Input THDi	<4% (100% liner load)			
BYPASS				
Rate Voltage	208/220Vac (line-line)			
Rate Frequency	50/60Hz			
Bypass Voltage Range	-10~40%; +10~25% (settable)			
Frequency Range	+/-1Hz, +/-3Hz, +/-5Hz (settable)			
Bypass Overload	110% for long ter operation; 125% for 10 mins; 150% for 1 min; 1000% for 10ms			
OUTPUT				
Nominal Output Voltage	208/220			
Voltage Regulation	+/-1% (100% balance load)			
Output THDu	<2% Linear load; <6% Non-linear load			
Frequency Regulation	50/60 Hz +/-0.1%			
Crest Factor	2.5:1			
Output PF	1			
Inverter Overload	110% for 1 hour; 125% for 10 mins; 150% for 1 min;			
BATTERY				
Battery Overload	125% for 10 mins; 150% for 1 min			
Charging Power	up to 15% output active power			
Battery Number	20pcs			
SYSTEM				
Efficiency	Normal	94%		
	Battery	94%		
	ECO	98%		
IP Class	IP20			
Interface	RS485, USB, Programmable Dry Contact			
Temperature	Operation: 0 to 40 °C Storage: -25 to 55 °C			
Relative Humidity	0-95% Non-condensing			
Altitude	<1000 m. 1% power derating for every 100m rise			
Noise (1 meter)	68dB @ 100% load; 65dB @ 45% load			
PHYSICAL				