

APTB 33X 3P/3P 384VDC Online UPS Selection Guide

480VDC version is available. Please check sales for the details.

MODEL	APTB 33 33-10K	APTB 33 33-15K	APTB 33 33-20K	APTB 33 33-30K	APTB 33 33-40K	APTB 33 33-60K	APTB 33 33-80K	APTB 33 33-100K	APTB 33 33-120K	APTB 33 33-160K	Giant iND 33-200K	APTB 33 33-250K	APTB 33 33-300K	APTB 33 33-400K	
CAPACITY	10KVA/ 8KW	15KVA/ 12KW	20KVA/ 16KW	30KVA/ 24KW	40KVA/ 32KW	60KVA/ 48KW	80KVA/ 64KW	100KVA/ 80KW	120KVA/ 96KW	160KVA/ 128KW	200KVA/ 160KW	250KVA/ 200KW	300KVA/ 240KW	400KVA/ 320KW	
INPUT															
Nominal Voltage	3 x 380VAC/400VAC/415VAC (3Ph + N or 3Ph + N + G)														
Acceptable Voltage Range	304VAC ~ 456VAC														
Frequency	50Hz ±5 Hz (±10%)														
OUTPUT															
Nominal Voltage	3 x 380VAC/400VAC /415VAC(3Ph + N)														
Connection Type	Hardwire 5-wire (3Ph+N+G)														
Waveform	Pure Sinewave														
Output Voltage Stability	Steady state	±1%													
	Transient state	±5%													
Frequency	50 Hz														
Frequency Stability	± 1%														
Frequency Synchronisation Range	± 5Hz (Equal to bypass working range)														
Frequency Synchronisation Speed	1~2 Hz/s														
Power Factor	0.8														
Crest Factor	3:1														
Total Harmonic Distortion (THDv)	< 2% (Linear Load)														
	< 4% (Non-linear Load)														
Dynamic in-rush Voltage Range	0%→100%→0% (R Load) < ±5% ; 20%→100%→20% (R Load) ±3%														
Dynamic Recovery Time (III Grade)	0%~100% RCD load : < 60 ms recover to 90% of nominal voltage														
Phase Displacement	120° ±1% (balanced load) 120° ±2% (imbalance 50% of the load)														
Transfer Time	0 ms														
Overload Capability	0% ~ 110% continuous running; 110% ~ 150% for 10 min~1 min; >160% for 200ms														
Short-circuit Capability	60~100ms														
Transient Response Time	< 5ms														
BYPASS															
Connection Type	Hardwire 5-wire (3Ph+N+G)														
Input Voltage Range	3 x 380VAC/400VAC/415VAC(3Ph+N)														
Overload / Short-circuit capability	1.5 In~1.8 In 1h~30s														
	1.8 In ~ >2.0 In 30s~200ms														
SYSTEM															
Efficiency (At Linear Load)	90%	91%				92%				93%					
ECO Mode (Non-parallel models)	Yes														
EPO Function	Yes														
Standard	IEC 61000-4-5 Surge Protection, IEC 62040-2 EMC/EMI, IEC62040-1 Safety														
BATTERY & RECTIFIER															
Rectifier	Type	6 pulse				6 pulse or 12 pulse				12 pulse					
	Rated output voltage	384 VDC													
	Charger voltage	395VDC ~ 435VDC (Adjustable)													
	Charging current(max)	Default 10A, Maximum=Capacity/Battery Voltage				Default 10A, Maximum 40A									
Battery	Type	Support VRLA Battery													
	Numbers	32 Pcs (29 ~ 32 pcs adjustable)													
	Reverse Diode	No													
	Cold Start	Yes													
PHYSICAL															
IP Protection	IP20 (Default), IP21/IP31 (Option)														
Dimensions, D x W x H (mm)	800 x 800 x 1800				800 x 1200 x 1800				800 x 1600 x 1800				850x1630 x1900	900x1800 x1900	
Net Weight (Kgs)	290	312	349	385	427	508	563	760	850	1120	1390	1750	2100	2500	
ENVIRONMENT															
Operating Temperature	0~ 35°C continuous running, 40°C 8-hour running at nominal input voltage, recharging batteries and no overload, 45°C derating to 85% with linear load														
Humidity	0~90% (non-condensing)														
Noise Level	Less than 70dB @ 1 Meter												Less than 72dB @ 1 Meter		
MANAGEMENT															
Modbus RS-232/RS485	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC														
Dry Contacts	6 outputs and 2 inputs														
Optional SNMP	Power management from SNMP manager and web browser														

Product specifications are subject to change without further notice.