

# Tescom<sup>®</sup>

Uninterruptible Power Supplies

## AJ300 Series

reliable power



**3 Phase input / 3 Phase output  
( 100 - 300 kVA )**

TESCOM AJ300 series are, true online, Transformer-base Double conversion UPS systems with IGBT rectifier providing high input power factor and low input current THD.

- "Isolation transformer at the output
- "Microprocessor controlled system ,RTC clock and calender
- "LCD alphanumeric display ,mimic lamps and 5 vektor control buttons
- "Interactive RS232 serial port ,3 dry contact alarm relays
- "High input power factor, low input current THD
- "High efficiency up to 94%
- "Battery charge current limiting,3 level battery alarms, boost charge system
- "Temperature compansated battery charge system
- "Password protected adjustments menu
- "External remote emergency power off input (REPO)
- "Maintenance bypass switch
- "Operating hourmeter
- "Output switch
- "Programmable overload protection ,output short circuit protection
- "Optional paralel operation
- "Generator set sense input
- "Optional SNMP ,MODBUS, RS485 adaptor and RS232 multiplexer
- "Monitoring and control software
- "128 events (4000 alarms) memory with date and time
- "User selectable options
- "CE certificate ,ISO9001 management ,ISO14001 certificate ,GOST certificate
- "IGBT , PWM technology

TESCOM AJ300 series UPS technical specifications						
	AJ360	AJ380	AJ3100	AJ3120	AJ3160	AJ3200
<b>Power (Kva)</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>	<b>160</b>	<b>200</b>
<b>INPUT</b>						
Power factor ,THDI	PF > 0.99 , THD <2%					
Voltage	230/400 VAC 3 phase ,4 wire , +/-20%					
Input Frequency	50 Hz or 60 Hz, +/- 5%					
Voltage distortion	<%10					
By-pass voltage	230/400 VAC 3 phase ,4 wire , +/-20%					
EMI	EN50091-2 Class A					
Protection	Input fuses, voltage low and high alarm, input power limiting					
<b>OUTPUT</b>						
Power (Kw)	48	64	80	96	128	160
Power factor	0,8					
Voltage / frequency	230/400 VAC 3 phase , 4 wires + earth—50 Hz or 60 Hz, +/- %-5					
Frequency tolerant	Synchron +/- 2% ,free running +/- 0,2%					
Protection	Overload ,short circuit, voltage low or high ,DC balance protections					
AC/AC efficiency	up to 94%					
Crest factor	3:1					
Overload time	100-125% load 10 mins,125-150% 1 min, >150% by-pass					
THD at full load	<2%					
<b>BATTERIES</b>						
Type / quantity	Maintenance free ,sealed lead acid type / 30 batteries					
Float /discharge end	405 VDC / 300 VDC					
Ambient temperature	25 C					
Protection	Battery fuses,3 level alarms ,charge current limit					
Aut.Battery test	Standard					
Boost charge	Standard					
<b>GENERAL</b>						
Human interface	2 or 4 lines LCD panel, mimic leds ,5 vector buttons					
Alarm logging	Standard with time and date ( 128 events,4000 alarms )					
Real time clock	Standard					
Communication	RS232 serial port , 3 DRY contact alarm relays					
Control software	Standard for 3 clients management					
Protections	Power module Overtemperature, overcurrent protection					
Operating temp.	0-40 C					
Protection degree	IP20					
Humidity / Altitude	90% (non condensed) / <1000 m above sea level					
Acoustic noise	<50 dBA					
Dimensions(HxWxD)	1650x1100x800			1730x1195x870		
Weight (kg)	225	350	770	810	960	1150
<b>OPTIONS</b>						
Adaptors	SNMP ,MODBUS ,RS485 ,RS232 multiplexer,remote panel					
Parallel operation	N+1 system , redundant system as option					
Isolation transformer	For input or output available as option					
Generator set kit	Available as option					