

## DLT Series

10KVA-300KVA  
Three Phase UPS



DLT series UPS, PWM controlled, IGBT technology, microcontroller controlled, sinusoidal waveform, ONLINE Double Conversion topology and parallel configurable devices. Advanced communication system supports many communication protocols and brings remote control advantage of the UPS.

- Output isolation transformer
- Online Double Conversion technology
- High performance at non-linear loads
- Dial-up modem connection and setup
- Parallel operation up to 4 devices
- According to EC Directive; EN62040
- SNMP communication
- Up to 91% efficiency
- Optional MODBUS adaptor
- 10 years spare parts support
- ISO9001, ISO14001, CE certification
- 128 events alarm memory (4000 alarms)
- Clock and calendar (battery supported)
- 5 control buttons LCD alphanumeric display
- brings detailed monitoring of measured parameters.
- Advanced battery management controls charge system battery test



MODEL	DLT310	DLT315	DLT320	DLT330	DLT340	DLT360	DLT380	DLT3100	DLT3120	DLT3160	DLT3200	DLT3250	DLT300	
Capacity	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	250KVA	300KVA	
<b>INPUT</b>														
Voltage	380/400 VAC 3P +N+ E +15%													
By-pass voltage	380/400 VAC 3P +N #10%													
Input frequency	50Hz. (60Hz. on request) + 5%													
<b>OUTPUT</b>														
Power (kW)	8	12	16	24	32	48	64	80	96	128	160	200	240	
Power factor	0.8													
V o l t a g e	380/400 VAC 3P +N													
Voltage stability	Balanced load: +1%, Unbalanced load: +2%, Step load: +5%													
Voltage recovery time	After step load: max. 25ms													
Frequency	50Hz. (60Hz. on request)													
Frequency tolerance	Line synchronized: +2%, free running: +0,2%													
Efficiency (at ful load)	90%			91%				92%						
Crest factor	3:1													
Overload protection	100%-125% load: 10 min., 125%-150% load: 1min., >150% load: by pass													
Short circuit protection	Electronic short circuit protection													
Total harmonic distortion (THD)	Linear load: <3%													
	Non linear load: <%5													
<b>BATTERIES</b>														
Type	Sealed Lead Acid - Maintenance Free													
Number of batteries	30													
Float charging voltage	405 VDC													
End of discharge voltage	300VDC													
Battery ambient temperature	25°C													
Battery protection	Automatic circuit breaker													
Battery test	Automatic every 72 hours													
<b>GENERAL</b>														
Standards	EN 62040-1,EN62040-2													
Serial communication	Dry contacts &RS232													
Software	UPS Management Software (3 clients, +1 server management std.)													
Temperature range	0°C- 40°C													
Ventilation	Forced air cooling													
Relative humidity	< 90% (non condensed)													
Protection degree	IP20													
Altitude	<2000m. above sea level													
Acoustic noise	<56 dBA				<60 dBA		<65 dBA		70 dBA"					
Weight without batteries (kg)	220	260	284	305	404	496	580	750	765	802	970	1328	1370	
Dimensions (mm) HxWxD	1150x505x655				1390x575x820		150x720x82	1650x1110x810		1730x1195x870		1880x1565x925		
<b>OPTIONS</b>														
Input transformer	Galvanic isolation transformer at the input (in external cabinet)													
Input THD	10% (with 12 pulse or 18 pulse rectifier, according to UPS range)													
	%5 (with 81 pulse rectifier, +filter), up ot 100kVA													
Input power factor	0.95 - 0.98 (with 18 pulse rectifier)													
Adaptors	SNMP, MODBUS, Remote Mon. Panel, R\$485													
Parallel operation	N+1 (up to 4units)													

