

# Titan III 3P/3P



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- Up to 95% operating efficiency
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Adjustable charging current through LCD up to 18A
- Adjustable battery numbers from +/-32 to +/-40 pcs
- Modular PCBA design to simplify the maintenance
- Parallel operation up to 3 units
- Common battery for the parallel system

UPS

ONLINE

## Titan III 3P/3P 60K Tower Online UPS Specification

MODEL		Titan III 33-60KL
PHASE		3-phase in / 3-phase out
CAPACITY		60KVA / 60KW
PARALLEL CAPABILITY		3
<b>INPUT</b>		
Nominal Voltage		3 x 400 VAC (3Ph+N)
Voltage Range		190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load
Frequency		46-54 Hz or 56-64Hz
Power Factor		≥ 0.99 @ 100% load
<b>OUTPUT</b>		
Output Voltage		3 x 360*/380/400/415 VAC (3Ph+N)
AC Voltage Regulation (Batt. Mode)		± 1%
Frequency Range (Synchronized Range)		46-54Hz or 56-64Hz
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz
Current Crest Ratio		3:1 (max.)
Harmonic Distortion		≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)
Transfer Time	AC mode to Battery mode	Zero
	Inverter to Bypass	Zero
Waveform (Batt. Mode)		Pure Sinewave
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately
<b>EFFICIENCY</b>		
AC Mode		95.5%
ECO Mode		98.5%
Battery Mode		94.5%
<b>BATTERY</b>		
Battery Type		Depending on applications
Battery Numbers		32-40 pcs (Adjustable)
Charging Current (max.)		1A - 18A (Adjustable)
Charging Voltage		+/-13.65V*N (N = 16-20)
<b>INDICATORS</b>		
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)		815 x 300 x 1000
Net Weight (kgs)		74
<b>ENVIRONMENT</b>		
Operating Temperature		0-40°C
Operating Humidity		< 95 % and non-condensing
Noise Level		Less than 70dB @ 1 Meter
<b>MANAGEMENT</b>		
Smart RS-232/USB		Supports Windows® family, Linux and MAC
Optional SNMP		Power management from SNMP manager and web browser

\*When output voltage is set as 3 x 360VAC, the output power of the unit will be de-rated to 90%. Product specifications are subject to change without further notice.