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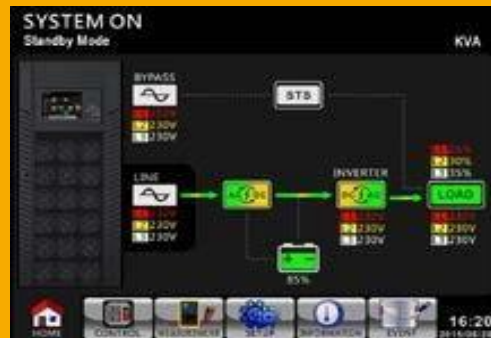AVR & UPS, Protección Eléctrica Confiable

Titan II 10K 3 Phase UPS

• DSP technology guarantees high reliability

A Digital Signal Processor (DSP) technology digitizes the data and mathematically manipulates them to provide an improved solution with higher performance.

• Output power factor 1

For critical applications, this 3-phase online UPS with output power factor 1.0 ensures higher efficiency and advanced performance.

• Active power factor correction in all phases

Power factor correction is active in all phases and it can improve the efficiency of input.

• Dual Inputs

Titan II series is also available for optional dual inputs to support various inputs to have flexibility for system configuration.

• 50Hz/60Hz frequency converter mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

• ECO mode operation for energy saving

ECO mode improves the efficiency up to 98% to cut energy usage & cost. In this mode, loads are supplied by the mains directly. While mains failure, the UPS will constantly supply the power to the connected device without any interruption.

• Emergency power off function (EPO)

In case of any emergency and fire, the EPO control mechanism can instantly shut down the system.

• Adjustable charging current

Users can adjust charging current via LCD setting based on applications.

• Very powerful charger

Titan II series is built-in 12A charger for 10K-40KVA models and 24A for 60K/80KVA models. It's to support very long runtime applications when connecting to big capacity of external battery cabinet.

• Optional parallel operation with common battery

The system can be operated in parallel, increasing the capacity and performance. Besides, this parallel UPS system can share common battery packs which might greatly reduce the expense and reach the same performance.

Model	Titan II 3310K-80K	Titan II 33100K-200K
Max. parallel units	3	2

• High overload capability

Supporting 110% overload capacity for 60min and up to 1 min overload condition at 150% load.

• Adjustable battery design

The number of connected batteries can be adjusted flexibly based on different power demands. This feature can allow UPS to keep running even when some battery packs are damaged.

• 4.3"touch LCD

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ONLINE UPS

Titan II 10K 3 Phase UPS

MODEL		Titan II 3P-3P 10K
PHASE		3-phase in / 3-phase out
CAPACITY		10KVA PF=1 @0m to 1000m of altitude 10KVA PF=0.75 @3500m of altitude
PARALLELCAPABILITY		up to 3 units in parallel
INPUT		
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 Range		46~54 Hz or 56~64Hz
Power Factor		$\geq$ 0.99 @ 100% Load
OUTPUT		
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		$\leq$ 2 % THD (Linear Load) ; $\leq$ 5 % THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	Zero
Waveform (Batt. Mode)		Pure Sine wave
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, >150% immediately
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, >150% immediately
EFFICIENCY		
AC Mode		95.5%
ECO Mode		98.5%
Battery Mode		94.5%
BATTERY		
Standard Model	Battery Type and Numbers	20 x CSB HR1234W F2
	Typical Recharge Time	9 hours recover to 90% capacity
	Charging Current	1A ~ 12A (Adjustable)
	Backup time	4 min @ 100% Load (10KW) 9 min @ 50% Load (5KW)
INDICATORS		
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
PHYSICAL		
Stardard Model	Dimension,DxWxH (mm)	626 x 250 x 750
	Net Weight (kgs)	124
ENVIRONMENT		
Operation Temperture		0-40°C
Operation Humidity		< 95% and non-condersing
Noise Level		Less than 58dB @1 Meter
MANAGEMENT		
Smart RS-232 / USB		Supports Windows² 2000/2003/XP/Vista/2008, Windows² 7/8/10, Linux and MAC
Optional SNMP		Power management from SNMP manager and web browser

Warranty Period
Standard: One year
Extended: Two years

Product specifications are subject to change without further notice.

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