

## ONLINE MODULAR UPS 60-600KVA(3/3)



### TTIM 60000 Series

#### APPLICATION:

IT /ITES  
MEDICAL  
RAILWAYS

## FEATURES

#### Modular design

Up to 30 power module in parallel  
Online hot-swappable N+X redundancy

#### Independent charger

Independent charger for each module  
Intelligently control the whole charging process  
Prolong the life time of the battery

#### Battery cold start

UPS can be powered on from the battery  
without utility

#### Totally front access

Top and bottom cable entry connection  
are supported, more convenient for site installation

#### Modular design with transformer

Modular UPS up to 600kVA with inbuilt isolation  
transformer, meeting different requirement for customers

#### High power density

600kVA with footprints of about 0.5m<sup>2</sup>  
saving valuable datacenter space

#### Integrated IGBT design

Integrated IGBT in one module, less failure points  
with higher performance and reliability

#### Friendly interface

Touch LCD display with abundant information

#### Maintenance reminder

System can record the running time for critical  
components and set reminding time for replacement

## TECHNICAL SPECIFICATIONS

MODEL	TTIM60600	TTIM60300	TTIM60180	TTIM60150	TTIM60120	TTIM6090	TTIM60060
Capacity	600kVA	300kVA	180kVA	150kVA	120kVA	90kVA	60kVA
	540kW	270kW	162kW	135kW	108kW	81kW	/54kW
Power module	PM30X(30kVA/27kW)						
<b>INPUT</b>							
Phase	3 Phase + Neutral + Ground,400V/415V(line to line)						
Voltage range	304-478Vac (line-line),full load;						
	228V-304Vac (Line-Line),load decrease linearly according to the min phase voltage						
Frequency range	40Hz-70Hz						
Power Factor	>0.99						
THDi	THDi<3% @ 100% linear load						
<b>OUTPUT</b>							
Voltage	380V/400V/415V						
Voltage Regulation	1.50%						
Power factor	0.9						
THDu	THD<1%(linear load ),THD<5.5%(None-linear load)						
Crest Factor	3:01						
Overload Capability	110% for 1 hour; 125% for 10 minutes ;150% for1 minute; >150% for 200ms						
<b>BATTERY</b>							
Voltage	±240VDC						
Charge Power	±1%						
Precision							
Charge Power	20%*System Power						
<b>SYSTEM</b>							
System Efficiency	Normal mode:95% ;ECO mode:99% ;Battery mode:95%						
Display	10.4" color touch screen LCD + LED + Keyboard						
IP Class	IP20						
Interface	Standard :RS232,RS485,Dry contacts, USB;						
	Optional: SNMP ,Expansion dry contact card						
Operation/							
Storage Temperature	0-40°C/-40-70°C						
Relative Humidity	0-95%(non-condensing)						
Noise	65dB @ 100% load,(1 meter away)						
<b>PHYSICAL</b>							
Weight	Power Module	PM30X30kg					
	Power Module	PM30X:460*790*134(mm)					

- All specifications are subject to change without prior notice.
- Custom-made specifications are acceptable.