

## Mini T-FORMER P.S model 6090US/EP (Patent P.)

Economic Mini Power Supply 66V-4A / 87V 2.5A for low consumption need.

### Save on Capital & Operational Costs.



- ✓ **Lower Capital Cost** - per unit compared to traditional Ferro-resonant devices.
- ✓ **Lower Operating Costs** - savings of at least 5% energy compared to standard systems.
- ✓ **Longer Life** - unique technology enables almost unlimited lifetime.
- ✓ **No Noise, No Vibration** - no environmental disruptions when installed nearby building.
- ✓ **Slow Start** - prevents fall of current breaker after power-out or during ignition
- ✓ **Automatic Electronic Fuses** - prevents failure in the event of overload or short circuit.
- ✓ **Lightening Protected** - power supply protected against lightning by a transient voltage.
- ✓ **Individual Overload Protection** - each output has 5A fuse and is short circuit protected.
- ✓ **Closed Cabinet Installed** - with special bracket for hanged or shelf-lain mounting.
- ✓ **Online DC-AC inverter compatible** - Easy and low cost conventional option to UPS

Thanks to its patent-pending sine wave stabilizer technology, the Mini T-Former's advanced electronic controller automatically monitors and compensates for any changes to line voltage - eliminating negative Inrush current side effects resulting from utility power recovery.

In addition, the T-Former operates in complete silence - solving noise and vibration problems inherent in existing products. This is increasingly important in highly populated areas where power supply devices are often mounted nearby the buildings.

T-Former is designed to work at a wide range of temperatures and humidity without maintenance, at full power capacity.

## T-former sine wave stabilizer technology.

MINI-T-Former is a highly efficient and highly cost-effective Non-standby power supply developed for low current consumption needs such deep fiber network. With around double the lifetime of legacy Ferro-resonant products, delivering energy savings of at least 5% energy compared to standard systems,

The AC constant-voltage T-Former helps operators reduce network expenditure at capital as well as operational levels.

Easy conversion to UPS by compatible ONLINE DC-AC inverter (optional)



	Outdate Ferro-resonant P.S	Innovative T-former P.S
Power efficiently	About 85%	>95%
Noise	Extremely noisy	No noise
Working life	Less than 7 years	Unlimited
Voltage shape	Poor and not stable trapeze	ideal Sinus
RF harmonic	High	Non
Inrush Current	High	Non
Fuse	Single use-Regular	Electronic fuses-unlimited use

Model	T-Former 1-6604	T-Former 1-8703	T-Former 2-6604
Electrical			
Input Voltage Taps (Vac)	120±15%		230±15%
Input Frequency (Hz)	50/60		
Input Current (A)	<2.3		<1.2
Input inrush current	<5In single pulse of 5ms		
Input Power Factor	>0.95 at full load		
Output Voltage Taps (Vac)	66	87	66
Output Current (A)	4	3	4
Short circuit time response (ms)	<10		
Recovery time delay (sec)	>2		
Output Power (VA)	264		
Load Regulation (%)	<2%		
Output Protection Fuse	T4A	T3A	T4A
Efficiency (%)	95% at full load		
Mechanical			
Dimensions ( L , W , H ) mm	250 X 200 X 152		
Weight (Kg/lbs)	7.4/16.3		
Housing Finish	White zinc		
Environment			
Operating Temperature	-20°C ÷ +60°C		
Storage Temperature	-20°C ÷ +70°C		
Humidity	0 ÷ 100% non condensing		
Standard Features			
Power Mains Cable	√		
Mains Transients Protection	√		
Quick Connection Output Coax socket	√		
Output Fuse	√		
Power Indication Green LED	√		

