

# SINGLE PHASE /M



## SPECIFICATIONS TPS /M

Name	TPS/M 1500	TPS/M 3000	TPS/M 6000	TPS/M 9000
Power	1500VA	3000VA	6000VA	9000VA
Code	Desk/Rack	99111103	99111253	99111503
Code		99111253	99111503	99111653
Output	Single phase	Single phase	Single phase	Single phase
Caratteristic	Not isolated	Not isolated	Not isolated	Not isolated
<b>Voltage</b>				
Range	150V/300V	150V/300V	150V/300V	150V/300V
Accuracy	<0.5%	<0.5%	<0.5%	<0.5%
Distorsion	<0.3%	<0.3%	<0.3%	<0.3%
Stability of the output voltage	<0.1%	<0.1%	<0.1%	<0.1%
Recovery time of the waveform	<10ms	<10ms	<10ms	<10ms
Maximun Compensated drop	5% f.s	5% f.s	5% f.s	5% f.s
Recovery-time of drop on wires	<200ms.	<200ms.	<200ms.	<200ms.
Output voltage resolution	0.025% f.s.	0.025% f.s.	0.025% f.s.	0.025% f.s.
<b>Maximum Current</b>				
RMS continuous <sup>(2)</sup>	9.33A/4.67A	18.7A/9.3A	38.1A/19.0A	60.2A/30.1A
Inrush Current (3 seconds) <sup>(2)</sup>	18.7A/9.3A	37.3A/18.7A	84.6A/38.1A	123.6A/61.8A
<b>Frequency</b>				
Output frequency range	DC <sup>(1)</sup> , 10Hz - 80Hz	DC <sup>(1)</sup> , 10Hz - 80Hz	DC <sup>(1)</sup> , 10Hz - 80Hz	DC <sup>(1)</sup> , 10Hz - 80Hz
Range of synchronization	45Hz - 65Hz	45Hz - 65Hz	45Hz - 65Hz	45Hz - 65Hz
Frequency resolution	0.02Hz	0.02Hz	0.02Hz	0.02Hz
Frequency precision	100ppm	100ppm	100ppm	100ppm
<b>Supply</b>				
Input supply	230Vac ±10% 1Ph	230Vac ±10% 1Ph	400Vac±10% 3PH+N	400Vac±10% 3PH+N
Maximum Input current	12A	24A	16A/24A neutral	24A/41A neutral
Input Frequency	50Hz-60Hz	50Hz-60Hz	50Hz-60Hz	50Hz-60Hz
<b>Other</b>				
Size (H : W : D)	191 : 471 : 513 <sup>(3)</sup>	191 : 471 : 513 <sup>(3)</sup>	281 : 471 : 513 <sup>(3)</sup>	281 : 471 : 513 <sup>(3)</sup>
Weight	25Kg	29Kg	39Kg	44Kg
Protections	OVP,UVP;OTP	OVP,UVP;OTP	OVP,UVP;OTP	OVP,UVP;OTP
Operation Temperature Range	0-35°C	0-35°C	0-35°C	0-35°C
RS232	YES	YES	YES	YES
LAN	OPTION	OPTION	OPTION	OPTION

(1) Only on 300V range

(2) With Resistive load

(3) Rack version is available

(4) Under Development

## 3 PHASE /T

SPECIFICATIONS								
	TPS/T 7.5K22.5S (10K)		TPS/T 15K45S (20K)		TPS/T 30K60S (40K)		TPS/T 60K	TPS/T 90K
Code	99110547		99110557		99110585		99110540	99110600
Configurations	Continuous	Inrush	Continuous	Inrush	Continuous	Inrush	72KVA	95KVA
Power	10KVA	7.5KVA/22.5KVA	20KVA	15KVA/45KVA	40KVA	30KVA/60KVA		
Output	1phase / 3phase		1phase / 3phase		1phase / 3phase		1phase / 3phase	3phase
Caratteristic	Isolated		Isolated		Isolated		Isolated	Isolated
<b>Voltage</b>								
Range	150V/300V <sup>(1)</sup>		150V/300V <sup>(1)</sup>		150V/300V <sup>(1)</sup>		150V/300V <sup>(1)</sup>	150V/300V <sup>(1)</sup>
Accuracy	<0.5%		<0.5%		<0.5%		<0.5%	<0.5%
Distorsion	<0.3%		<0.3%		<0.3%		<0.3%	<0.3%
Stability of the output voltage	<0.1%		<0.1%		<0.1%		<0.1%	<0.1%
Recovery time of the waveform	<10ms		<10ms		<10ms		<10ms	<10ms
Maximun Compensated drop	5% f.s		5% f.s		5% f.s		5% f.s	5% f.s
Recovery-time of drop on wires	<200ms.		<200ms.		<200ms.		<200ms.	<200ms.
Output voltage resolution	0.025% f.s.		0.025% f.s.		0.025% f.s.		0.025% f.s.	0.025% f.s.
<b>Maximum Current Single phase</b>								
RMS continuous <sup>(2)</sup> (150/300)	66.7A/33.3A	49.6A/24.8A	133A/66.5A	100A/50A	267A/133A	200A/100A	480A/240A	No single phase option
Inrush Current (3 seconds) <sup>(2)</sup>	No Inrush	149A/74.4A	No Inrush	300A/150A	No inrush	400A/200A	No inrush capability	No single phase option
<b>Maximum Current three phase</b>								
RMS continuous <sup>(2)</sup> (150/300)	22.2A/11.1A	16.6A/8.33A	44.4A/22.2A	33.3A/16.7A	88.9A/44.5A	66.6A/33.3A	160A/80A	213A/107A
Inrush Current (3 seconds) <sup>(2)</sup>	No Inrush	50A/25A	No Inrush	100A/50A	No inrush	133A/66.7A	No inrush capability	No inrush capability
<b>Frequency</b>								
Output frequency range	40Hz <sup>(3)</sup> - 80Hz		40Hz <sup>(3)</sup> - 80Hz		40Hz <sup>(3)</sup> - 80Hz		40Hz <sup>(3)</sup> - 80Hz	40Hz <sup>(3)</sup> - 80Hz
Range of synchronization	45Hz - 65Hz		45Hz - 65Hz		45Hz - 65Hz		45Hz - 65Hz	45Hz - 65Hz
Frequency resolution	0.02Hz		0.02Hz		0.02Hz		0.02Hz	0.02Hz
Frequency precision	100ppm		100ppm		100ppm		100ppm	100ppm
<b>Supply</b>								
Input supply	400Vac ±10% 3Ph Without neutral		400Vac ±10% 3Ph Without neutral		400Vac ±10% 3Ph Without neutral		400Vac ±10% 3Ph Without neutral	400Vac ±10% 3Ph Without neutral
Maximum Input current	40A		70A		120A		160A	250A
Input Frequency	50Hz-60Hz		50Hz-60Hz		50Hz-60Hz		50Hz-60Hz	50Hz-60Hz
<b>Other</b>								
Size (H : W : D)(mm)	1670 : 620 : 625		1670 : 920 : 625		1670 : 920 : 625		1800 :1200 : 800	1800 :1200 : 1000
Weight	200Kg		400Kg		600Kg		960Kg	1200Kg
Protections	OVP,UVP;OTP		OVP,UVP;OTP		OVP,UVP;OTP		OVP,UVP;OTP	OVP,UVP;OTP
Operation Temperature Range	0-35°C		0-35°C		0-35°C		0-35°C	0-35°C
RS232	YES		YES		YES		YES	YES
LAN	OPTION		OPTION		OPTION		OPTION	OPTION



- (1) Other range on request.  
 (2) With Resistive load.  
 (3) It is possible on remote interface to set 10Hz but you must decrease the maximum voltage.

## 3 PHASE COMPACT SERIES CPS

<b>SPECIFICATIONS</b>									
Name	CPS5KVA <sup>(4)</sup>		CPS10KVA		CPS20KVA		CPS40KVA		
Code	99110770		99110780		99110790		99110800		
Configuration	Continuous	Inrush	Continuous	Inrush	Continuous	Inrush	Continuous	Inrush	
Power	5KVA	4KVA/8KVA	10KVA	7.5KVA/15KVA	20KVA	15KVA/30KVA	40KVA	30KVA/60KVA	
Output	1phase / 3phase		1phase / 3phase		1phase / 3phase		1phase / 3phase		
Caratteristic	Not Isolated		Not Isolated		Not Isolated		Not Isolated		
<b>Voltage</b>									
Range	150V/300V <sup>(1)</sup>		150V/300V <sup>(1)</sup>		150V/300V <sup>(1)</sup>		150V/300V <sup>(1)</sup>		
Accuracy	<0.5%		<0.5%		<0.5%		<0.5%		
Distorsion	<0.6%		<0.6%		<0.6%		<0.6%		
Stability of the output voltage	<0.1%		<0.1%		<0.1%		<0.1%		
Recovery time of the waveform	<10ms		<10ms		<10ms		<10ms		
Maximun Compensated drop	5% f.s		5% f.s		5% f.s		5% f.s		
Recovery-time of drop on wires	<200ms.		<200ms.		<200ms.		<200ms.		
Output voltage resolution	0.025% f.s.		0.025% f.s.		0.025% f.s.		0.025% f.s.		
<b>Maximum Current Single phase</b>									
RMS continuous <sup>(2)</sup>	33.2A/16.6A	26.7A/13.3A	66.4A/33.2A	50A/25A	133A/66.4A	100A/50A	266A/133A	200A/100A	
Inrush Current (3 seconds) <sup>(2)</sup>	No inrush	53.4A/26.6A	No inrush	100A/50A	No inrush	200A/100A	No inrush	400A/200A	
<b>Maximum Current three phase</b>									
RMS continuous <sup>(2)</sup>	11.1A/5.5A	8.9A/4.4A	22.2A/11.1A	16.7A/8.3A	44.4A/22A	33.4A/16.7A	88.9A/44A	66.8A/33.4A	
Inrush Current (3 seconds) <sup>(2)</sup>	No inrush	17.8A/8.8A	No inrush	33.4A/16.6A	No inrush	66.8A/33.4A	No inrush	134A/66.8A	
<b>Frequency</b>									
Output frequency range	50Hz <sup>(3)</sup> - 80Hz		50Hz <sup>(3)</sup> - 80Hz		50Hz <sup>(3)</sup> - 80Hz		50Hz <sup>(3)</sup> - 80Hz		
Range of synchronization	45Hz - 65Hz		45Hz - 65Hz		45Hz - 65Hz		45Hz - 65Hz		
Frequency resolution	0.02Hz		0.02Hz		0.02Hz		0.02Hz		
Frequency precision	100ppm		100ppm		100ppm		100ppm		
<b>Supply</b>									
Input supply	400Vac±10% 3PH+N		400Vac±10% 3PH+N		400Vac±10% 3PH+N		400Vac±10% 3PH+N		
Maximum Input current	10A/16A neutral		18A/41A neutral		34A/64A neutral		60A/125A neutral		
Input Frequency	50Hz-60Hz		50Hz-60Hz		50Hz-60Hz		50Hz-60Hz		
<b>Other</b>									
Size (H : W : D)(mm)	191 : 471 : 513		1040 :585 : 600		1040 :585 : 600		1040 :585 : 600		
Weight	45Kg		100Kg		200Kg		300Kg		
Protections	OVP,UVP;OTP		OVP,UVP;OTP		OVP,UVP;OTP		OVP,UVP;OTP		
Operation Temperature Range	0-35°C		0-35°C		0-35°C		0-35°C		
RS232/RS485	YES		YES		YES		YES		
LAN	OPTION		OPTION		OPTION		OPTION		

(1) Other range on request.

(2) With Resistive load.

(3) It is possible on remote interface to set 10Hz but you must decrease the maximum voltage.

(4) Under Development



# COMPACT POWER SUPPLY SIGLE PHASE



<b>SPECIFICATIONS TPS /M</b>		
Name	CPS/M 5000	CPS/M 10000
Code	99110750	99110755
Power	5000VA	10000VA
Output	Single phase	Single phase
Characteristic	Not isolated	Not isolated
<b>Voltage</b>		
Range	300V	300V
Accuracy	<0.5%	<0.5%
Distortion	<0.3%	<0.3%
Stability of the output voltage	<0.1%	<0.1%
Recovery time of the waveform	<10ms	<10ms
Maximum Compensated drop	5% f.s	5% f.s
Recovery-time of drop on wires	<200ms	<200ms
Output voltage resolution	0.025% f.s.	0.025% f.s.
<b>Maximum Current</b>		
RMS continuous <sup>(1)</sup>	16.7 A	33.4 A
Inrush Current (3 seconds) <sup>(1)</sup>	33.4 A	66.8 A
<b>Frequency</b>		
Output frequency range	DC <sup>(2)</sup> , 10Hz - 80Hz	DC <sup>(2)</sup> , 10Hz - 80Hz
Range of synchronization	45Hz - 65Hz	45Hz - 65Hz
Frequency resolution	0.02Hz	0.02Hz
Frequency precision	100ppm	100ppm
<b>Supply</b>		
Input supply	230Vac ±10% 1Ph	400Vac±10% 3N
Maximum Input current	35A	24A/41A neutral
Input Frequency	50Hz-60Hz	50Hz-60Hz
<b>Other</b>		
Size (H : W : D)	4U : 450 : 540 <sup>(3)</sup>	6U : 450 : 540 <sup>(3)</sup>
Weight	25Kg	48Kg
Protections	OVP,UVP;OTP	OVP,UVP;OTP
Operation Temperature Range	0-35°C	0-35°C
RS232	YES	YES
LAN	OPTION	OPTION

(1) With resistive load

(2) DC options is available

(3) Dimensions with output connectors