



New



Working in Power

TP110

LINE INTERACTIVE UPS SELECTION GUIDE

- PURE SINE WAVE
- BUILT-IN POWERFUL CHARGER WITH INPUT POWER FACTOR CORRECTION
- TOWER AND RACK CONVERTIBLE DESIGN
- STANDARD AND LONG RUN-TIME MODELS AVAILABLE
- MULTI-INTERFACE SLOT FOR RS-232, SNMP, USB, DRY CONTACT, AS400, MODBUS AND CUSTOMIZED INTERFACES
- BUILT-IN COMMUNICATION PORT CAN FUNCTION WELL WITH MULTI-INTERFACE SLOT AT THE SAME TIME
- HOT-SWAPPABLE BATTERY DESIGN
- EMERGENCY POWER OFF (EPO) FUNCTION
- COLD START FUNCTION

TP110

TP110 LINE INTERACTIVE SINEWAVE UPS SELECTION GUIDE

MODEL		TP110 1K	TP110 1,5K	TP110 2K	TP110 3K	TP110 5K	TP110 7.5K	TP110 10K
CAPACITY		1000 VA / 625 W	1500VA / 938 W	2000 VA / 1250 W	3000 VA / 1875 W	5000 VA/ 3125 W	7500 VA/ 4688 W	10000 VA/ 6250 W
INPUT								
Voltage Range	Acceptable Voltage Range	85 VAC - 150 VAC or 170 - 300 VAC					170 VAC - 300 VAC	
	Low Line Transfer	85 VAC ± 2 % or 170 VAC ± 2 %					170 VAC ± 2 %	
	Low Line Comeback	90 VAC ± 2 % or 180 VAC ± 2 %					180 VAC ± 2 %	
	High Line Transfer	150 VAC ± 2 % or 300 VAC ± 2 %					300 VAC ± 2 %	
	High Line Comeback	145 VAC ± 2 % or 290 VAC ± 2 %					290 VAC ± 2 %	
Frequency Range								
OUTPUT								
AC Voltage Regulation (Batt. Mode)		< 3 % RMS for entire battery voltage range						
Frequency Range (Batt. Mode)		50 Hz or 60 Hz ± 0.1 Hz						
Power Factor		0,625						
Efficiency		> 80%						
Overload Protection	AC Mode	> 110 %, then alarms and yellow LED flahes continuously						
	Battery Mode	110 % ~ 150 % for 30 sec, > 150 % for 200 ms, then UPS shutdown						
Short Circuit Protection	AC Mode	Circuit Breaker						
	Battery Mode	Electronic Circuit						
Waveform (Batt. Mode)		Pure Sine Wave						
Transfer Time (Typical)		< 4 ms						
BATTERY								
Battery Type		24 V / 7.2 AH	36 V / 7,2 AH	36 V / 9 AH	36 V / 7.2 AH	48 V / 9 AH	48 V / 7.2 AH	48 V / 9 AH
Numbers		2	3	3	6	8	16	16
Backup time at 50% rated load		12 min.	12 min.	12 min.	12 min.	15 min.	14 min.	15 min.
Typical Recharge Time		8 hours recover to 90% capacity						
CONTROL PANEL								
LED Display		UPS Status, I/P & O/P Voltage Frequency, Load Level, Battery Voltage & level, Temperature, Model						
LCD Display		AC Mode, Warning, Fault						
ALARM								
Battery Mode		Sounding every 4 seconds						
Low Battery		Sounding every second						
Overload		Sounding twice every second						
Fault		Continously sounding						
PHYSICAL								
Output Receptacles	NEMA	6	6	6	8	8+1 x Terminal Block	4 + 1 x Terminal Block	
	IEC	6	6	6	8	10+1xTerminal Block	5 + 1 x Terminal Block	
Dimension, D X W X H (mm)		465 X 440 X 88	465 X 440 X 88	465 X 440 X 88	465 X 440 X 88	620 X 440 X 132	465 X 440 X 132	
Net Weight (kgs)		16	18	24,5	24,5	36,9	34,6	36,6
ENVIRONMENT								
Humidity		0-95 % RH @ 0 - 40°C (non-condensing)						
Noise Level		Less than 55dB @ 1 Meter						
MANAGEMENT								
Standard Communication Interface		RS-232						
Optional Multi-interface Cards		Various selections of RS-232, SNMP, USB, Dry Contact, AS400, and Modbus for multi-interface slot. Function well with built-in port at the same time.						

Note: available in long run version

* Product specifications are subject to change without further notice