

PRODUCT SPECIFICATION SHEET

Product Name: Tripp Lite Digital UPS Systems

Estimated Runtime - Loads in Watts																		
UPS		20W	40W	60W	80W	100W	140W	200W	260W	300W	340W	400W	460W	500W	600W	700W	800W	900W
TL-OMNI650LCD		155	73	45	32	24	16	9.2	5.7	4.5	3.5	—	—	—	—	—	—	—
TL-OMNI900LCD		198	96	60	43	33	—	13	—	7.2	—	4.4	3.2	—	—	—	—	—
TL-SMART1000LCD		198	96	60	43	33	—	13	—	7.1	—	4.3	—	3.0	—	—	—	—
TL-SMART1200LCD		340	173	111	80	62	—	26	—	15	—	10	—	7.2	5.4	4.0	—	—
TL-SMART1500LCD		294	177	123	93	73	—	33	—	20	—	14	—	10	7.7	6.0	4.9	3.5
All runtime values are in minutes																		
		TL-OMNI650LCD			TL-OMNI900LCD			TL-SMART1000LCD			TL-SMART1200LCD			TL-SMART1500LCD				
System Overview																		
Voltage Compatibility		120VAC				120VAC			120VAC			120VAC			120VAC			
Frequency Compatibility		60Hz				60Hz			60Hz			60Hz			60Hz			
Output																		
Output VA		650				900			1000			1200			1500			
Output Watts		350				475			500			700			900			
Output Nominal Voltage		120VAC				120VAC			120VAC			120VAC			120VAC			
Output Voltage Regulation		PWM sine wave 115V +/-5% (battery mode)																
Output Frequency Regu- lation		LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz																
Outlet Quantity / Type		8 NEMA 5-15R				8 NEMA 5-15R			8 NEMA 5-15R			8 NEMA 5-15R			8 NEMA 5-15R			

	TL-OMNI650LCD	TL-OMNI900LCD	TL-SMART1000LCD	TL-SMART1200LCD	TL-SMART1500LCD
Input					
Maximum Input Amps	12A	12A	12A	10A input circuit breaker	8.5A
Input Connection Type	NEMA 5-15P, right-angle plug	NEMA 5-15P, right-angle plug	NEMA 5-15P, right-angle plug	NEMA 5-15P	NEMA 5-15P
Input Cord Length	6ft (1.8m)	6ft (1.8m)	6ft (1.8m)	6ft (1.8m)	6ft (1.8m)
Recommended Electrical Service	120V 15A	120V 15A	120V 15A	120V 15A	120V 15A
Battery					
Full Load Runtime	3.5 min. (650VA/350W)	3 min. (900VA /475W)	3 min. (1000VA /500w)	4 min. (700W)	3.5 min. (900W)
Half Load Runtime	12 min. (325VA /175W)	10 min. (450VA /237W)	9 min. (500VA /250w)	12 min. (350W)	13 min. (450W)
DC System Voltage	12 VDC	12 VDC	12 VDC	N/A	N/A
Typical Battery Lifespan	4-6 years, depending on usage				
Battery Recharge Rate	2-8 hours to reach 90% charge	—	—	2-8 hours to reach 90% charge	2-8 hours to reach 90% charge
Voltage Regulation					
Voltage Regulation Description	Line-interactive voltage regulation corrects brownouts as low as 89V back to usable values	Line-interactive voltage regulation corrects brownouts as low as 89V back to usable values	Line-interactive voltage regulation corrects brownouts as low as 89V back to usable values	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Direct Pass Trough	N/A	Voltages of 105V and greater are passed through to connected equipment unchanged	Voltages of 105V and greater are passed through to connected equipment unchanged	Input voltages between 128VAC and 147VAC are reduced by 12%	Input voltages between 128VAC and 147VAC are reduced by 12%
Brownout Correction	Input voltages between 89V and 104V are boosted by 14%				

	TL-OMNI650LCD	TL-OMNI900LCD	TL-SMART1000LCD	TL-SMART1200LCD	TL-SMART1500LCD
LEDs Alarms & Switches					
Front panel LEDs	Front panel LCD screen with blue backlight offers continuous input line voltage data, plus UPS status information on line power status, battery power status, battery charge level and voltage regulation operation				
Alarms	Audible alarm with 15-second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.				
Switches	Includes 2 front panel switches, one main on/off power switch and one dual-function alarm cancel/self test button				
Surge / Noise Suppression					
AC Surge Suppression	480 joules	870 joules	480 Joules	480 Joules	480 Joules
AC Suppression Response Time	Instantaneous	Instantaneous	Instantaneous	Instantaneous	Instantaneous
Dataline Suppression	N/A	N/A	Tel/DSL or Coaxial	Tel/DSL or Ethernet	Tel/DSL or Ethernet
EMI / RFI AC Noise Suppression	Yes	Yes	Yes	Yes	Yes
Physical					
Unit Weight	14.6 lbs (6.6 kg)	14.6 lbs (6.6 kg)	14.6 lbs (6.6 kg)	25 lbs (11.4 kg)	29 lbs (13.2 kg)
Unit Dimensions	6.5" H x 15.5" W x 11" D (16.5cm x 39.4cm x 27.9cm)	6.5" H x 15.5" W x 11" D (16.5cm x 39.4cm x 27.9cm)	6.5" H x 15.5" W x 11" D (16.5cm x 39.4cm x 27.9cm)	7" H x 21" W x 14.5" D (17.8cm x 53.3cm x 36.8cm)	7" H x 21" W x 14.5" D (17.8cm x 53.3cm x36.8cm)
Material of Construction	ABS	ABS	ABS	ABS	ABS
Form Factors Supported	Rack/Tower	Rack/Tower	Rack/Tower	Rack/Tower	Rack/Tower
Cooling Method	Convection	Convection	Convection	Convection	Convection
Battery Access	n/a	Battery access door allows user replacement of UPS batteries	n/a	n/a	n/a
Receptacle Color	Black	Black	Black	Black	Black
Environmental					
Operating Temperature	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)
Storage Temperature	5° to 122° F (-15° to 50° C)	5° to 122° F (-15° to 50° C)	5° to 122° F (-15° to 50° C)	5° to 122° F (-15° to 50° C)	5° to 122° F (-15° to 50° C)
Relative Humidity	0 to 95%, non-condensing	0 to 95%, non-condensing	0 to 95%, non-condensing	0 to 95%, non-condensing	0 to 95%, non-condensing
Line Mode BTU/hr. (Max.)	n/a	n/a	n/a	243.7 BTU/hr.	n/a

	TL-OMNI650LCD	TL-OMNI900LCD	TL-SMART1000LCD	TL-SMART1200LCD	TL-SMART1500LCD
Communications					
Network Monitoring Port	USB (HID)	USB (HID)	USB (HID)	DB9 and USB (HID)	DB9 and USB (HID)
Software & Cabling Included	PowerAlert Software available for free download at www.tripplite.com . (User supplies USB cable.)	PowerAlert Software available for free download at www.tripplite.com . (User supplies USB cable.)	USB cabling included, PowerAlert software available for free download at www.tripplite.com	USB, DB9 and phone cables included; PowerAlert software available for free download at www.tripplite.com	USB cabling included, PowerAlert software available for free download at www.tripplite.com
WatchDog Compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications				
Line / Battery Transfer					
Transfer Time From Line Power to Battery Mode	2-4 milliseconds	2-4 milliseconds	2-4 milliseconds	2-4 milliseconds	2-4 milliseconds
Low Voltage Transfer to Battery Power	Switches to battery power as line voltage drops to 89V or lower / Resets to AC mode as line voltage increases to 94V or higher				
High Voltage Transfer to Battery Power	Switches to battery power as line voltage increases to 139V or higher / Resets to line power as line voltage drops to 135V or less				
Special Features					
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure				
Appearance	Attractive black color scheme				
Certifications					
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (Emissions)				
Warranty					
Manufacturer's Product Warranty	2-years	2-years	2-years	2-years	2-years
Connected Equipment Insurance	\$200,000 (USA & Canada Only)			\$250,000 connected equipment insurance (USA & Canada only)	
Optional Coverage	3 Year: WEXT3-OMNI, 5 Year: WEXT5-OMNI		3 Year: WEXT3-500-1500, 5 Year: WEXT5-500-1500		