

PRODUCT SPECIFICATION SHEET

Product Name: Tripp Lite Omni Smart UPS Systems

Estimated Runtime - Loads in Watts											
UPS	20W	40W	60W	80W	100W	140W	200W	300W	400W	700W	900W
TL-OMNISMART500	140	68	43	30	23	16	8.3	4	-	-	-

	TL-OMNISMART300PNP	TL-OMNISMART500	TL-OMNISMART700	TL-OMNISMART1050	TL-OMNISMART1400
System Overview					
Voltage compatibility:	120VAC	120VAC	120VAC	120VAC	120VAC
Frequency compatibility:	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Output					
Output VA:	300	500	700	1050	1400
Output watts:	180	300	450	705	940
Output nominal voltage:	120VAC	120VAC	120VAC	120VAC	120VAC
Line Mode Output voltage regulation:	Sine wave line voltage 120V (-18%/8%)	Sine wave line voltage 120V (-18%/8%)	Sine wave line voltage 120V (-18%/8%)	Sine wave line voltage 120V (-18%/8%)	Sine wave line voltage 120V (-18%/8%)
Battery Mode Output voltage regulation:	PWM sine wave output 115V ±5%	PWM sine wave output 115V ±5%	PWM sine wave output 115V ±5%	PWM sine wave output 115V ±5%	PWM sine wave output 115V ±5%
Line Mode Output frequency regulation:	Passes line frequency of 60Hz ±10%	Passes line frequency of 60Hz ±10%	Passes line frequency of 60Hz ±10%	Passes line frequency of 60Hz ±10%	Passes line frequency of 60Hz ±10%
Battery Mode Output frequency regulation:	Inverter output regulated to 60Hz ±0.5Hz	Inverter output regulated to 60Hz ±0.5Hz	Inverter output regulated to 60Hz ±0.5Hz	Inverter output regulated to 60Hz ±0.5Hz	Inverter output regulated to 60Hz ±0.5Hz
Outlet quantity/type:	3 NEMA 5-15R	6 NEMA 5-15R	6 NEMA 5-15R	6 NEMA 5-15R	6 NEMA 5-15R

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Input					
Maximum input amps:	2.1A	12A	12A	6.7A	9.2A
Input connection type:	NEMA 5-15P right-angle plug	NEMA 5-15P right-angle plug	NEMA 5-15P	NEMA 5-15P right-angle plug	NEMA 5-15P
Input cord length:	6' 16 gauge	6' 16 gauge	6' 16 gauge	6' 16 gauge	6' 16 gauge
Recommended electrical service:	15A 120V	15A 120V	15A 120V	15A 120V	15A 120V
Battery					
Full load runtime:	10.5 minutes (300VA)	4 minutes (500VA)	4 minutes (700VA)	7 minutes (1050VA)	8 minutes (1400VA)
Half load runtime:	27 minutes (150VA)	15 minutes (250VA)	17 minutes (350VA)	23 minutes (525VA)	24 minutes (700VA)
DC system voltage:	12VDC	12VDC	12VDC	18VDC	36VDC
Typical battery lifespan:	3 to 6 years	3 to 6 years	3 to 6 years	3 to 6 years	3 to 6 years
Battery recharge rate:	2 to 4 hours to 90%	2 to 4 hours to 90%	2 to 4 hours to 90%	2 to 4 hours to 90%	2 to 4 hours to 90%
Replacement battery cartridge:	RBC51	RBC51	RBC52 (quantity 2)	RBC52 (quantity 3)	RBC53
Voltage Regulation					
Voltage regulation description:	AVR circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and over-voltages to 147V	AVR circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and over-voltages to 147V	AVR circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and over-voltages to 147V	AVR circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and over-voltages to 147V	AVR circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and over-voltages to 147V
Over voltage correction:	Input voltages between 128 and 147VAC are reduced by 12%	Input voltages between 128 and 147VAC are reduced by 12%	Input voltages between 128 and 147VAC are reduced by 12%	Input voltages between 128 and 147VAC are reduced by 12%	Input voltages between 128 and 147VAC are reduced by 12%
Direct pass through:	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 93 and 107VAC are boosted by 14%	Input voltages between 93 and 107V AC are boosted by 14%	Input voltages between 93 and 107V AC are boosted by 14%	Input voltages between 93 and 107V AC are boosted by 14%	Input voltages between 93 and 107V AC are boosted by 14%
Severe brownout correction:	Input voltages between 75 and 92VAC are boosted by 30%	Input voltages between 75 and 92VAC are boosted by 30%	Input voltages between 75 and 92VAC are boosted by 30%	Input voltages between 75 and 92VAC are boosted by 30%	Input voltages between 75 and 92VAC are boosted by 30%

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LED Alarms & Switches					
Front panel LEDs:	4 status indicator LEDs: - Line power - Battery power - Battery low/replace - Voltage regulation operation	4 status indicator LEDs: - Line power - Battery power - Battery low/replace - Overload	4 status indicator LEDs: - Line power - Battery power - Battery low/replace - Overload	5 status indicator LEDs: - Line power - Battery power - Battery low/replace - Voltage regulation operation - Overload	5 status indicator LEDs: - Line power - Battery power - Battery low/replace - Voltage regulation operation - Overload
Audible alarms - assuming full load:	Indicates loss of utility power. Silence by pressing front panel alarm cancel button, alarm will re-sound when 2 minutes runtime remains.	Indicates loss of utility power. Silence by pressing front panel alarm cancel button, alarm will re-sound when 2 minutes runtime remains.	Indicates loss of utility power. Silence by pressing front panel alarm cancel button, alarm will re-sound when 2 minutes runtime remains.	Indicates loss of utility power. Silence by pressing front panel alarm cancel button, alarm will re-sound when 2 minutes runtime remains.	Indicates loss of utility power. Silence by pressing front panel alarm cancel button, alarm will re-sound when 2 minutes runtime remains.
	- (1) main on/off power - (1) dual function alarm cancel/self test button	- (1) main on/off power - (1) dual function alarm cancel/self test button	- (1) main on/off power - (1) dual function alarm cancel/self test button	- (1) main on/off power - (1) dual function alarm cancel/self test button	- (1) main on/off power - (1) dual function alarm cancel/self test button
Surge / Noise Suppression					
AC surge suppression:	480 joules	480 joules	510 joules	480 joules	480 joules
AC suppression response time:	Instantaneous	Instantaneous	Instantaneous	Instantaneous	Instantaneous
Dataline suppression:	Tel/DSL	Tel/DSL	Tel/DSL/Ethernet		
EMI/RFI AC noise suppression:	Yes	Yes	Yes	Yes	Yes
Physical					
Shipping weight:	15 lbs. (6.8 kg)	15.4 lbs. (7 kg)	22 lbs. (10 kg)	30.5 lbs. (13.8 kg)	40lbs. (18.2 kg)
Shipping dimensions:	12.25"H x 10"W x 8.5"D (31.1 x 25.4 x 21.6 cm)	12"H x 8.25 "W x 9.25"D (30.5 x 21 x 23.5 cm)	14"H x 8.25"W x 10.4"D (35.6 x 21 x 26.4 cm)	11.75"H x 7.25"W x 7.25"D (29.8 x 18.4 x 18.4 cm)	12.75"H x 7.5 "W x 9"D (32.4 x 19.1 x 22.9 cm)
Unit weight:	13.5 lbs. (6.1 kg)	14 lbs. (6.4 kg)	20 lbs. (9.1 kg)	28 lbs. (13 kg)	36.4 lbs. (16.5 kg)
Unit dimensions:	8.5"H x 5"W x 6.5"D (21.6 x 12.7 x 16.5 cm)	8.5"H x 5"W x 6.5"D (21.6 x 12.7 x 16.5 cm)	10.75"H x 5.25"W x 7.5"D (27.3 x 13.3 x 19.1 cm)	-	-
Material of construction:	PVC	PVC	PVC	PVC	PVC
Form factors supported:	Tower	Tower	Tower	Tower	Tower
Cooling method:	Convection	Convection	Convection	Convection	Convection
Battery Access:	Battery access door allows user replacement of UPS batteries.				

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Environmental					
Operating Temperature:	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Storage Temperature:	5°F to 122°F (-15°C to 50°C)	5°F to 122°F (-15°C to 50°C)	5°F to 122°F (-15°C to 50°C)	5°F to 122°F (-15°C to 50°C)	5°F to 122°F (-15°C 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
Communications					
Network monitoring port:	USB (HID)	USB	USB (HID) and DB9	USB	USB
Cabling included:	USB	USB	Complete cabling	USB	USB
Software:	PowerAlert download	PowerAlert download	PowerAlert download	PowerAlert download	PowerAlert download
WatchDog compatibility:	Yes, 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	Yes, 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	Yes, 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	Yes, 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	Yes, 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 to 4 milliseconds	2 to 4 milliseconds	2 to 4 milliseconds	2 to 4 milliseconds	2 to 4 milliseconds
Low voltage transfer to battery power:	Switches to battery power as line voltage decreases to 75V or less. Resets back to line power mode as line voltage increases to 79V or higher.	Switches to battery power as line voltage decreases to 75V or less. Resets back to line power mode as line voltage increases to 79V or higher.	Switches to battery power as line voltage decreases to 75V or less. Resets back to line power mode as line voltage increases to 79V or higher.	Switches to battery power as line voltage decreases to 75V or less. Resets back to line power mode as line voltage increases to 79V or higher.	Switches to battery power as line voltage decreases to 75V or less. Resets back to line power mode as line voltage increases to 79V or higher.
High voltage transfer to battery power:	Switches to battery power as line voltage increases to 147V or higher. Resets back to line power mode as line voltage decreases to 143V or less.	Switches to battery power as line voltage increases to 147V or higher. Resets back to line power mode as line voltage decreases to 143V or less.	Switches to battery power as line voltage increases to 147V or higher. Resets back to line power mode as line voltage decreases to 143V or less.	Switches to battery power as line voltage increases to 147V or higher. Resets back to line power mode as line voltage decreases to 143V or less.	Switches to battery power as line voltage increases to 147V or higher. Resets back to line power mode as line voltage decreases to 143V or less.
Special Features					
Cold Start:	Yes	Yes	Yes	Yes	Yes
Appearance:	Black	Black	Black	Gray	Gray

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Certifications					
Certifications:	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class B (emissions), NOM (Mexico), FCC Part 68 Industry Canada (telecommunications), RoHS Compliant	Tested to UL1778 (USA), cUL (Canada), Class B (emissions), NOM (Mexico), FCC Part 68 Industry Canada (telecommunications)	Tested to UL1778 (USA), cUL (Canada), Class B (emissions), NOM (Mexico), FCC Part 68 Industry Canada (telecommunications)	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class B (emissions), NOM (Mexico)	Tested to UL1778 (USA), cUL (Canada), Class B (emissions), NOM (Mexico)
Warranty					
Manufacturer's product warranty:	2-year	2-year	2-year	2-year	2-year
Connected equipment insurance (USA and Canada Only):	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Optional manufacturer's coverage:	3 to 5 year warranties, next day and on-site warranty coverage available	3 to 5 year warranties, next day and on-site warranty coverage available	3 to 5 year warranties, next day and on-site warranty coverage available	3 to 5 year warranties, next day and on-site warranty coverage available	3 to 5 year warranties, next day and on-site warranty coverage available