



#### Single Phase 600 VA - 3 kVA



Ensuring continuous uninterrupted power for your mission critical loads, requires a carefully designed and reliable Uninterruptible Power Supply (UPS) product.

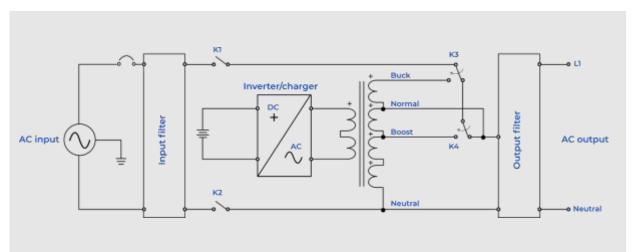
The challenge gets tougher when your loads are installed in harsh outdoor environments, where dust, extreme temperatures and humidity are often present.



**TSI Power**, with more than 20 years designing and installing power protection products, specializsd in outdoor UPS products. Thousands of outdoor UPS products are installed and proven in many mission critical sites globally.

#### **XUPS** Outdoor UPS with Voltage Regulation

TSI Power's outdoor XUPS is a series of line interactive Uninterruptible Power Supplies (UPS), equipped with wide-temperature, pure lead, gel batteries and housed in a weather-protected enclosure. It offers line-interactive automatic voltage regulation, over/under voltage protection, surge protection with heavy duty noise filtering, communications capability and optional extended battery backup.



<b>XUPS Block Diagram</b>
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Features and Benefits						
Built-in automatic voltage regulation enables a wide-input voltage window to deliver power while preventing unnecessary battery drain.	The XUPS uses wide temperature, pure lead, gel batteries and internal cooling fan to extend battery life and protect electronic components.					
Precise output current limiting permits start of induction motors and other difficult loads.	Internal bypass switch provides power if UPS fails and prevents unnecessary shutdown of connected equipment.					
Cabinet can be pad, pole or wall mounted for utmost mounting flexibility.	Rugged enclosures to withstand harsh environments.					
Designed to UL 60950-22 standard for outdoor equipment with UL- 50E rain - tested enclosure.	Heavy-duty surge protection and noise filtering protects load and UPS.					
The XUPS is easy to repair because internal circuit board assemblies are connectorized.	The XUPS includes a two-year limited warranty.					
Conformal coating of electronic boards for moisture resistance	Quiet - ideal for use in locations with noise ordinances.					

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Type of **XUPS** 

The XUPS family of products consists of five different groups, that are designed for various power rating, back up time and mounting options.



Model	XUPS-600-0220	XUPS-1000-0220	XUPS-1500-0120	XUPS-2200-0120
AC Input				
Nominal voltage		115 V	, 60 Hz	
Operating voltage		96 V - 136 V (without t	ransferring to inverter)	
Frequency range		57 -	63 Hz	
Current at 96 V and	8.2 A	12 A	15 A	20 A
max charging current Input Circuit Breaker rating	10 A	15 A	15 A	20 A
Surge voltage withstand rating			, 8 x 20 us combination wavef	
Remnant voltage			& L-G: 300V	
		211.1001		
AC Output			· · · · · · · · · · · · · · · · · · ·	
Power	500 W	840 W	1050 W	1540 W
Maximum current	4.3 A	7.3 A	9.1 A	13 A
Voltage 120 V / 230 V system			/ ± 8%	
Crest factor			3: 1	
Waveform and THD	0.50/		HD with linear load	
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%
Transfer time		¼ to ½ cy	rcle (typical)	
Battery				
Type x quantity	8GU1 x 2	8GU1 x 2	NP18-12 x 4	NP18-12 x 4
Battery circuit breaker	30 A	60 A	40 A	60 A
Temperature range fully		(8 to 11/08 F	/ -20° to +60° C	
charged °F / °C	(		C with optional battery heate	r)
Battery heater pad	BH5	BH5	2 x BH5	2 x BH5
Rated load runtime @ 25° C	34 min	14 min	13 min	8 min
-				
Recharge time to 90 %	6 hr	6 hr	6 hr	6 hr
Mechanical				
Enclosure	Light gray powd	er coat aluminum cabinet w	ith swing out front door, NEM	A 3R / IP 44 rated
Dimensions		W: 16.5" / 419 mm x H: 20.5	" / 521 mm x D: 9.5" / 241 mm	
Weight with batteries lbs(kg)	95 (43)	110 (50)	110 (50)	130 (59)
Mounting			w/6 mounting feet);	
		Pole-Mount: (with Po	le-Mount Bracket PM9)	
Environmental				
Operating Temperature Range		14º to +113º F (	(-10° to +45° C )	
Protection Against Moisture and Dust			e conformal coated	
Installation environment	Sun shade over north f	•	avoid solar heating (Not includ 2 km from ocean	ded). Enclosure must b
Safety	•			
Safety listing	ETL/cETL	ETL/cETL	ETL/cETL	-

Model	XUPS-600-3220	XUPS-1000-3220	XUPS-1500-3120	XUPS-2200-3120		
AC Input						
Nominal voltage		230 V,	50 Hz			
Operating voltage		192 V - 272 V (without t	ransferring to inverter)			
Frequency range	47 – 53 Hz					
Current at 192 V and max charging current	4.1 A	5.9 A	7.3 A	9.9 A		
nput Circuit Breaker rating	5 A	10 A	10 A	15 A		
Surge voltage withstand rating	ANS	SI/IEEE: 6 kV, 1.2 x 50 us / 3kA, a	8 x 20 us combination wavefo	orm		
Remnant voltage		L-N: 450V 8	& L-G: 300V			
AC Output						
Power	500 W	840 W	1050 W	1540 W		
Maximum current	2.2 A	3.7 A	4.6 A	6.7 A		
Voltage		230 V	′±8%			
Crest factor		3:	1			
Waveform and THD		Sine wave, < 3% TH	ID with linear load			
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%		
Transfer time		<sup>1</sup> /4 to <sup>1</sup> /2 cyc				
Battery						
Type x quantity	8GU1 x 2	8GU1 x 2	NP18-18 x 4	NP18-18 x 4		
Battery circuit breaker	30 A	60 A	40 A	60 A		
Temperature range fully charged °F / °C	(	-4° to +140° F / -40° to +140° F / -40° to +60° C		r)		
Battery heater pad	BH6	BH6	2 x BH6	2 x BH6		
Rated load runtime @ 25° C	34 min	14 min	13 min	8 min		
Recharge time to 90 %	6 hr	6 hr	6 hr	6 hr		
Mechanical						
Enclosure	Light gray powd	er coat aluminum cabinet wit	h swing out front door, NEM	A 3R / IP 44 rated		
Dimensions		W: 16.5" / 419 mm x H: 20.5"	/ 521 mm x D: 9.5" / 241 mm			
Weight with batteries lbs(kg)	95 (43)	110 (50)	110 (50)	130 (59)		
Mounting		Wall-Mount: (with v Pole-Mount: (with Pole				
Environmental		X	,			
Operating Temperature Range		14° to +113° F ( ·	-10° to +45° C )			
Protection Against Moisture		Circuit boards are	conformal coated			
and Dust Installation environment	Sun shade over north fa	acing enclosure required to av located at least 2		led). Enclosure must b		
Safety		iocated at ledst 2				
Safety						
Safety listing	-	-	-	-		

Model	XUPS-600-4220	XUPS-1000-4220	XUPS-1500-4120	XUPS-2200-4120
AC Input				
Nominal voltage		240 V,	60 Hz	
Operating voltage		200 V - 284 V (without	transferring to inverter)	
Frequency range		57 - 6	63 Hz	
Current at 200 V and max charging current	4.0 A	5.7 A	7.0 A	9.5 A
nput Circuit Breaker rating	5 A	10 A	10 A	15 A
Surge voltage withstand rating	AN	SI/IEEE: 6 kV, 1.2 x 50 us / 3kA,	8 x 20 us combination wavef	orm
Remnant voltage		L-N: 450V 8	& L-G: 300V	
AC Output				
Power	500 W	840 W	1050 W	1540 W
Maximum current	2.2 A	3.7 A	4.6 A	6.7 A
Voltage		240 V	/ ± 8%	
Crest factor		3	:1	
Waveform and THD		Sine wave, < 3% TH	ID with linear load	
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%
Transfer time		<sup>1</sup> ⁄4 to <sup>1</sup> ⁄2 cyc	cle (typical)	
Battery				
Type x quantity	8GU1 x 2	8GU1 x 2	NP18-18 x 4	NP18-18 x 4
Battery circuit breaker	30 A	60 A	40 A	60 A
Temperature range fully charged °F / °C	(	-4° to +140° F / -40° to +140° F / -40° to +60° (	/ -20° to +60° C C with optional battery heate	r)
Battery heater pad	BH6	BH6	2 x BH6	2 x BH6
Rated load runtime @ 25° C	34 min	14 min	13 min	8 min
Recharge time to 90 %	6 hr	6 hr	6 hr	6 hr
Mechanical				
Enclosure	Light gray powd	er coat aluminum cabinet wit	th swing out front door, NEM,	A 3R / IP 44 rated
Dimensions		W: 16.5" / 419 mm x H: 20.5"	/ 521 mm x D: 9.5" / 241 mm	
Weight with batteries lbs(kg)	95 (43)	110 (50)	110 (50)	130 (59)
Mounting			w/6 mounting feet); e-Mount Bracket PM9)	
Environmental				
Operating Temperature Range		14° to +113° F (	-10° to +45° C )	
Protection Against Moisture and Dust		Circuit boards are	conformal coated	
Installation environment	Sun shade over north fa	acing enclosure required to a located at least 2	void solar heating (Not incluc 2 km from ocean	ded). Enclosure must b
Safety				
Safety listing	-	-	-	

Plus	115V, 60 Hz	Тес	hnical S	pecifications			
Model	XUPS-600-0340	XUPS-10	000-0340	XUPS-1500-0340			
AC Input							
Nominal voltage		115 V,	60 Hz				
Operating voltage		96 V - 136 V (without transferring to inverter)					
Frequency range		57 - 63 Hz					
Current at 96 V and max charging current	8.6 A	12	2 A	15 A			
Input Circuit Breaker rating	10 A	15 A					
Surge voltage withstand rating	ANSI/IEE	E: 6 kV, 1.2 x 50 us / 3kA,	8 x 20 us combinati	on waveform			
Remnant voltage		L-N: 450V	& L-G: 300V				
AC Output							
Power	500 W	84	W O	1050 W			
Maximum current	4.3 A	7.	3 A	9.1 A			
/oltage		115 V	′ ± 8%				
Crest factor		3	:1				
Waveform and THD		Sine wave, < 3% TI	HD with linear load				
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%		: 97% er: 85%	Line: 97% Inverter: 87%			
Transfer time			cle (typical)				
Battery							
Type x quantity	8GU1 x 4	8GU	Л x 4	8GU1 x 4			
Battery circuit breaker	30 A	60	A	40 A			
Temperature range fully charged °F / °C	( -40° t	-4° to +140° F to +140° F / -40° to +60°	/ -20° to +60° C C with optional batt	ery heater)			
Battery heater pad	2 x BH5	2 x	BH5	2 x BH5			
Rated load runtime @ 25° C	1 hr 36 min	40	min	33 min			
Recharge time to 90 %		10	hr				
Mechanical							
Enclosure	Light gray powder coa	at aluminum cabinet wi	th swing out front d	oor, NEMA 3R / IP 44 rated			
Dimensions	W: 2	4.0" / 610 mm x H: 24.0"	/ 610 mm x D: 13.8" /	350 mm			
Weight with batteries lbs(kg)	170 (77)	170 (77)		180 (82)			
Mounting		Wall-Mount: (with Pole-Mount: (with Pol Pad-mount: (with Pac		M1)			
Environmental							
Operating Temperature Range		14° to +113° F (	-10° to +45° C )				
Protection Against Moisture and Dust		Circuit boards are	conformal coated				
Installation environment	Sun shade over north facing		void solar heating (N 2 km from ocean	Not included). Enclosure must be			
Safety							
Safety listing	ETL/cETL	ETL,	′cETL	ETL/cETL			
Warranty		I					

Plus	230V, 50 Hz	Technical s	specification
Model	XUPS-600-3340	XUPS-1000-3340	XUPS-1500-3340
AC Input			
Nominal voltage		230 V, 50 Hz	
Operating voltage	192	V - 272 V (without transferring to inve	ter)
Frequency range		47 - 53 Hz	
Current at 192 V and max charging current	4.3 A	6.1 A	7.3 A
nput Circuit Breaker rating	5 A	10 A	10 A
Surge voltage withstand rating	ANSI/IEEE: 6	kV, 1.2 x 50 us / 3kA, 8 x 20 us combinat	ion waveform
Remnant voltage		L-N: 450V & L-C: 300V	
AC Output			
Power	500 W	840 W	1050 W
Maximum current	2.2 A	3.7 A	4.6 A
Voltage		230 V ± 8%	1
Crest factor		3: 1	
Waveform and THD		Sine wave, < 3% THD with linear load	
Power efficiency	Line: 97%	Line: 97% Inverter: 85%	Line: 97%
(under full load conditions) Transfer time	Inverter: 85%	Inverter: 87%	
		¼ to ½ cycle (typical)	
Battery Type x quantity	8GU] x 4	8GU] x 4	8GU1 x 4
Battery circuit breaker	30 A	60 A	40 A
Temperature range fully charged °F / °C	( -40° to +14	-4° to +140° F / -20° to +60° C 40° F / -40° to +60° C with optional bat	tery heater)
Battery heater pad	2 x BH6	2 x BH6	2 x BH6
Rated load runtime @ 25° C	1 hr 36 min	40 min	33 min
Recharge time to 90 %		10 hr	
Mechanical			
Enclosure	Light gray powder coat alu	iminum cabinet with swing out front o	loor, NEMA 3R / IP 44 rated
Dimensions	W: 24.0" /	/ 610 mm x H: 24.0" / 610 mm x D: 13.8"	/ 350 mm
Weight with batteries lbs(kg)	170 (77)	170 (77)	180 (82)
Mounting	Po	Wall-Mount: (with w/6 mounting feet) le-Mount: (with Pole-mount bracket P d-mount: (with Pad-mount bracket PA	M1)
Environmental		(	,
Operating Temperature Range		14° to +113° F ( -10° to +45° C )	
Protection Against Moisture and Dust		Circuit boards are conformal coated	
Installation environment	Sun shade over north facing encl	osure required to avoid solar heating (	Not included). Enclosure must b
Safahi		located at least 2 km from ocean	
Safety			
Safety listing	-	-	-

Plus	240V, 60 Hz	rechnical	Specification			
Model	XUPS-600-4340	XUPS-1000-4340	XUPS-1500-4340			
AC Input						
Nominal voltage		240 V, 50 Hz				
Operating voltage	200	V - 284 V (without transferring to in	verter)			
Frequency range		47 - 53 Hz				
Current at 200 V and max charging current	4.1 A	5.9 A	7.0 A			
nput Circuit Breaker rating	5 A	10 A	10 A			
Surge voltage withstand rating	ANSI/IEEE: 6 k	:V, 1.2 x 50 us / 3kA, 8 x 20 us combir	ation waveform			
Remnant voltage		L-N: 450V & L-G: 300V				
AC Output						
Power	500 W	840 W	1050 W			
Maximum current	2.1 A	3.5 A	4.4 A			
Voltage		240 V ± 8%	1			
Crest factor		3:1				
Waveform and THD		Sine wave, < 3% THD with linear loa	d			
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%			
Transfer time		<sup>1</sup> /4 to <sup>1</sup> /2 cycle (typical)				
Battery						
Type x quantity	8GU1 x 4	8GU1 x 4	8GU1 x 4			
Battery circuit breaker	30 A	60 A	40 A			
Temperature range fully charged °F∕°C	( -40° to +14	-4° to +140° F / -20° to +60° C 0° F / -40° to +60° C with optional b	attery heater)			
Battery heater pad	2 x BH5	2 x BH5	2 x BH5			
Rated load runtime @ 25° C	1 hr 36 min	40 min	33 min			
Recharge time to 90 %		10 hr				
Mechanical						
Enclosure	Light gray powder coat alu	minum cabinet with swing out fron	t door, NEMA 3R / IP 44 rated			
Dimensions	W: 24.0" /	610 mm x H: 24.0" / 610 mm x D: 13.8	9" / 350 mm			
Weight with batteries lbs(kg)	170 (77)	170 (77)	180 (82)			
Mounting	Pol	Wall-Mount: (with w/6 mounting fee e-Mount: (with Pole-mount bracket d-mount: (with Pad-mount bracket	PM1)			
Environmental						
Operating Temperature Range		14° to +113° F ( -10° to +45° C )				
Protection Against Moisture and Dust		Circuit boards are conformal coate	d			
Installation environment	Sun shade over north facing encl	osure required to avoid solar heating located at least 2 km from ocean	g (Not included). Enclosure must b			
Safety						
Safety listing						

Extended	115V, 60	112	Technic		cations			
Model	XUPS-600-0560	XUPS-1000-0560	XUPS-1500-0560	XUPS-2200-0560	XUPS-3000-0560			
AC Input								
Nominal voltage		115 V, 60 Hz						
Operating voltage		96 V - 136 '	√ (without transferring	to inverter)				
Frequency range			57 – 63 Hz					
Current at 96 V and max charging current	8.6 A	12 A	15 A	20 A	27 A			
nput Circuit Breaker rating	10 A	15 A	15 A	20 A	30 A			
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	50 us / 3kA, 8 x 20 us cc	mbination waveform				
Remnant voltage			L-N: 450V & L-G: 300V					
AC Output Power	500 W	840 W	1050 W	1540 W	2250 W			
Maximum current	4.3 A	7.3 A	9.1 A	13 A	20 A			
/oltage			115 V ± 8%					
Crest factor			3:1					
Waveform and THD		Sine w	vave, < 3% THD with line	ear load				
Power efficiency	Line: 97%	Line: 97%	Line: 97%	Line: 97%	Line: 97%			
(under full load conditions) Transfer time	Inverter: 85%	Inverter: 85%	Inverter: 87% ¼ to ½ cycle (typical)	Inverter: 87%	Inverter: 87%			
Battery Type x quantity	8G24 x 4	8G24 x 4	8G24 x 4	8G24 x 4	8G24 x 4			
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A			
Temperature range fully			° to +140° F / -20° to +60		0077			
charged °F / °C			40° to +60° C with optic					
Battery heater pad	2 x BH5	2 xBH5	2 x BH5	2 x BH5	2 x BH5			
Rated load runtime @ 25° C	4 hr 18 min	2 hr 24 min	2 hr	1 hr 12 min	38 min			
Recharge time to 90 %			23 hr					
Mechanical								
Enclosure	Light gray	powder coat aluminum	a cabinet with swing ou	it front door, NEMA 3R /	IP 44 rated			
Dimensions		W: 24.0" / 610 m	m x H: 24.0" / 610 mm x	D: 17.1" / 434 mm				
Weight with batteries lbs(kg)	290 (132)	290 (132)	290 (132)	300 (136)	320 (145)			
Mounting		Pole-Mou	 ount: (with w/6 mounti nt: (with Pole-Mount Br it: (with Pad-mount bra	acket PM1)				
Environmental		. 34 1104						
Operating Temperature Range		14	° to +113° F ( -10° to +45°	C )				
Protection Against Moisture		Circui	t boards are conformal	coated				
and Dust Installation environment	Sun shade over n			eating (Not included). E	nclosure must be			
nistaliation environment		loca	ted at least 2 km from c	ocean				
Safety		1 1						
Safety listing	ETL/cETL	ETL/cETL	ETL/cETL	ETL/cETL	ETL/cETL			
Marranty								
Warranty								

Model	XUPS-600-3560	XUPS-1000-3560	XUPS-1500-3560	XUPS-2200-3560	XUPS-3000-3560			
AC Input								
Nominal voltage		230 V, 50 Hz						
Operating voltage		192 V - 272	V (without transferring	to inverter)				
Frequency range		47 – 53 Hz						
Current at 192 V and max charging current	4.3 A	6.1 A	7.3 A	9.9 A	14 A			
nput Circuit Breaker rating	5 A	10 A	10 A	15 A	15 A			
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	50 us/3kA, 8 x 20 us co	mbination waveform				
Remnant voltage			L-N: 450V & L-G: 300V					
AC Output								
Power	500 W	840 W	1050 W	1540 W	2250 W			
Maximum current	2.2 A	3.7 A	4.6 A	6.7 A	9.8 A			
Voltage			230 V ± 8%	•	•			
Crest factor			3:1					
Waveform and THD		Sine w	vave, < 3% THD with line	ar load				
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%			
Transfer time			<sup>1</sup> / <sub>4</sub> to <sup>1</sup> / <sub>2</sub> cycle (typical)					
Battery								
Type x quantity	8G24 x 4	8G24 x 4	8G24 x 4	8G24 x 4	8G24 x 4			
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A			
Temperature range fully charged °F / °C			° to +140° F / -20° to +60 40° to +60° C with optic		•			
Battery heater pad	2 x BH6	2 xBH6	2 x BH6	2 x BH6	2 x BH6			
Rated load runtime @ 25° C	4 hr 18 min	2 hr 24 min	2 hr	1 hr 12 min	38 min			
Recharge time to 90 %			23 hr					
Mechanical								
Enclosure	Light gray	powder coat aluminum	a cabinet with swing ou	t front door, NEMA 3R /	IP 44 rated			
Dimensions		W: 24.0" / 610 mi	m x H: 24.0" / 610 mm x	D: 17.1" / 434 mm				
Weight with batteries lbs(kg)	290 (132)	290 (132)	290 (132)	300 (136)	320 (145)			
Mounting		Pole-Mou	ount: (with w/6 mounti nt: (with Pole-Mount Br ıt: (with Pad-mount bra	acket PM1)	1			
Environmental								
Operating Temperature Range		14	° to +113° F ( -10° to +45°	C )				
Protection Against Moisture and Dust		Circui	t boards are conformal	coated				
Installation environment	Sun shade over n		equired to avoid solar h ted at least 2 km from c	eating (Not included). E ocean	Enclosure must be			
Safety								
Safety listing	_	_	_	-	-			

	240V, 6				cations		
Model	XUPS-600-4560	XUPS-1000-4560	XUPS-1500-4560	XUPS-2200-4560	XUPS-3000-4560		
AC Input							
Nominal voltage		240 V, 60 Hz					
Operating voltage		200 V - 284	V (without transferring	to inverter)			
Frequency range			57 – 63 Hz				
Current at 200 V and max charging current	4.1 A	5.9 A	7.0 A	9.5 A	13 A		
Input Circuit Breaker rating	5 A	10 A	10 A	15 A	15 A		
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	50 us / 3kA, 8 x 20 us co	mbination waveform	L		
Remnant voltage			L-N: 450V & L-G: 300V				
AC Output							
Power	500 W	840 W	1050 W	1540 W	2250 W		
Maximum current	2.1 A	3.5 A	4.4 A	6.4 A	9.4 A		
Voltage		·	240 V ± 8%	·			
Crest factor			3: 1				
Waveform and THD		Sine w	vave, < 3% THD with line	ar load			
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%		
Transfer time			<sup>1</sup> / <sub>4</sub> to <sup>1</sup> / <sub>2</sub> cycle (typical)				
Battery							
Type x quantity	8G24 x 4	8G24 x 4	8G24 x 4	8G24 x 4	8G24 x 4		
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A		
Temperature range fully charged °F / °C			° to +140° F / -20° to +60 40° to +60° C with optic				
Battery heater pad	2 x BH6	2 xBH6	2 x BH6	2 x BH6	2 x BH6		
Rated load runtime @ 25° C	4 hr 18 min	2 hr 24 min	2 hr	1 hr 12 min	38 min		
Recharge time to 90 %		1	23 hr	1			
Mechanical							
Enclosure	Light gray	powder coat aluminum	a cabinet with swing ou	t front door, NEMA 3R /	IP 44 rated		
Dimensions		W: 24.0" / 610 mi	m x H: 24.0" / 610 mm x	D: 17.1" / 434 mm			
Weight with batteries lbs(kg)	290 (132)	290 (132)	290 (132)	300 (136)	320 (145)		
Mounting		Pole-Mour	ount: (with w/6 mounti nt: (with Pole-Mount Br ıt: (with Pad-mount bra	acket PM1)			
Environmental							
Operating Temperature Range		14	° to +113° F ( -10° to +45°	C )			
Protection Against Moisture and Dust		Circuit	t boards are conformal	coated			
Installation environment	Sun shade over n	orth facing enclosure re locat	equired to avoid solar h ted at least 2 km from c	<b>e</b> , , , , , , , , , , , , , , , , , , ,	nclosure must be		
Safety	L						
Safety listing	-	-	-	-	-		

Large	115V, 60	HZ	Technic	ai specifi	cations	
Model	XUPS-600-0780	XUPS-1000-0780	XUPS-1500-0780	XUPS-2200-0780	XUPS-3000-078	
AC Input		·		•		
Nominal voltage			115 V, 60 Hz			
Operating voltage		96 V - 136 V	/ (without transferring	to inverter)		
Frequency range			57 – 63 Hz			
Current at 96 V and max charging current	8.6 A	12 A	15 A	20 A	27 A	
nput Circuit Breaker rating	10 A	15 A	15 A	20 A	30 A	
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	1 50 us / 3kA, 8 x 20 us cc	mbination waveform		
Remnant voltage			L-N: 450V & L-G: 300V			
AC Output Power	500 W	840 W	1050 W	1540 W	2250 W	
Vaximum current	4.3 A	7.3 A	9.1 A	13 A	2230 W	
/oltage	7.5 A	7.5 4	115 V ± 8%	13 4	20 A	
Crest factor			3:1			
		Cine		arland		
Waveform and THD Power efficiency	Line: 97%	Line: 97%	ave, < 3% THD with line Line: 97%	Line: 97%	Line: 97%	
under full load conditions)	Inverter: 85%	Inverter: 85%	Inverter: 87%	Inverter: 87%	Inverter: 87%	
Transfer time			<sup>1</sup> / <sub>4</sub> to <sup>1</sup> / <sub>2</sub> cycle (typical)			
Battery						
Type x quantity	8G31 x 4	8G31 x 4	8G31 x 4	8G31 x 4	8G31 x 4	
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A	
Femperature range fully charged °F / °C			1 ° to +140° F / -20° to +60 40° to +60° C with optic			
Battery heater pad	2 x BH5	2 xBH5	2 x BH5	2 x BH5	2 x BH5	
Rated load runtime @ 25° C	6 hr 6 min	3 hr 18 min	2 hr 48 min	1 hr 42 min	1 hr 6 min	
Recharge time to 90 %			30 hr	I	I	
Mechanical						
Enclosure	Light gray	powder coat aluminum	cabinet with swing ou	t front door, NEMA 3R /	IP 44 rated	
Dimensions		W: 28.8" / 732 mi	m x H: 24.0" / 610 mm x	D: 17.1" / 434 mm		
Weight with batteries lbs(kg)	360 (163)	360 (163)	380 (172)	380 (172)	390 (177)	
Mounting		Wall-M Pole-Mour	unt: (with w/6 mountint: (with Pole-Mount Bract) t: (with Pad-mount bract)	acket PM4)		
Environmental						
Operating Temperature Range		14	° to +113° F ( -10° to +45°	C )		
Protection Against Moisture		Circuit	boards are conformal	coated		
and Dust	Sun shade over n				nclosure must be	
nstallation environment		Sun shade over north facing enclosure required to avoid solar heating (Not included). Enclosure must be located at least 2 km from ocean				
Safety			t			
Safety listing	ETL/cETL	ETL/cETL	ETL/cETL	ETL/cETL	ETL/cETL	
			I			

Large	230V, 50 Hz		Technical Specific		ations			
Model	XUPS-600-3780	XUPS-1000-3780	XUPS-1500-3780	XUPS-2200-3780	XUPS-3000-3780			
AC Input								
Nominal voltage	230 V, 50 Hz							
Operating voltage	192 V - 272 V (without transferring to inverter)							
Frequency range		47 – 53 Hz						
Current at 192 V and max charging current	4.3 A	6.1 A	7.3 A	9.9 A	14 A			
nput Circuit Breaker rating	5 A	10 A	10 A	15 A	15 A			
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	50 us / 3kA, 8 x 20 us c	n Distingtion waveform				
Remnant voltage			L-N: 450V & L-G: 300V	,				
AC Output								
Power	500 W	840 W	1050 W	1540 W	2250 W			
Maximum current	2.2 A	3.7 A	4.6 A	6.7 A	9.8 A			
/oltage			230 V ± 8%					
Crest factor			3: 1					
Waveform and THD		Sinew	vave, < 3% THD with line	ear load				
Power efficiency under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%			
Fransfer time			¼ to ½ cycle (typical)		L			
Battery								
ype x quantity	8G31 x 4	8G31 x 4	8G31 x 4	8G31 x 4	8G31 x 4			
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A			
Femperature range fully charged °F / °C	-4° to +140° F / -20° to +60° C ( -40° to +140° F / -40° to +60° C with optional battery heater)							
Battery heater pad	2 x BH6	2 xBH6	2 x BH6	2 x BH6	2 x BH6			
Rated load runtime @ 25° C	6 hr 6 min	3 hr 18 min	2 hr 48 min	1 hr 42 min	1 hr 6 min			
Recharge time to 90 %	30 hr							
Mechanical								
Enclosure	Light gray	powder coat aluminum	n cabinet with swing ou	ut front door, NEMA 3R /	IP 44 rated			
Dimensions		W: 28.8" / 732 m	m x H: 24.0" / 610 mm >	c D: 17.1" / 434 mm				
Weight with batteries lbs(kg)	360 (163)	360 (163)	380 (172)	380 (172)	390 (177)			
Mounting	Wall-Mount: (with w/6 mounting feet); Pole-Mount: (with Pole-Mount Bracket PM4) Pad-mount: (with Pad-mount bracket PAD2)							
Environmental								
Operating Temperature Range		14	° to +113° F ( -10° to +45	°C)				
Protection Against Moisture and Dust	Circuit boards are conformal coated							
nstallation environment	Sun shade over north facing enclosure required to avoid solar heating (Not included). Enclosure must be located at least 2 km from ocean							
Safety								
Safety listing	-	-	-	-	-			

Large	240V, 60 Hz		<b>Technical Specificat</b>		cations	
Model	XUPS-600-4780	XUPS-1000-4780	XUPS-1500-4780	XUPS-2200-4780	XUPS-3000-4780	
AC Input					·	
Nominal voltage	240 V, 60 Hz					
Operating voltage		200 V - 284	V (without transferrin	g to inverter)		
Frequency range			57 – 63 Hz			
Current at 200 V and max charging current	4.1 A	5.9 A	7.0 A	9.5 A	13 A	
Input Circuit Breaker rating	5 A	10 A	10 A	15 A	15 A	
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	50 us / 3kA, 8 x 20 us c	combination waveform		
Remnant voltage			L-N: 450V & L-G: 300	V		
AC Output						
Power	500 W	840 W	1050 W	1540 W	2250 W	
Maximum current	2.1 A	3.5 A	4.4 A	6.4 A	9.4 A	
Voltage			240 V ± 8%			
Crest factor			3:1			
Waveform and THD		Sine w	vave, < 3% THD with lin	ear load		
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	
Transfer time			<sup>1</sup> / <sub>4</sub> to <sup>1</sup> / <sub>2</sub> cycle (typical		inverter. or //	
Battery						
Type x quantity	8G31 x 4	8G31 x 4	8G31 x 4	8G31 x 4	8G31 x 4	
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A	
Temperature range fully charged °F / °C	-4° to +140° F / -20° to +60° C ( -40° to +140° F / -40° to +60° C with optional battery heater)					
Battery heater pad	2 x BH6	2 xBH6	2 x BH6	2 x BH6	2 x BH6	
Rated load runtime @ 25° C	6 hr 6 min	3 hr 18 min	2 hr 48 min	1 hr 42 min	1 hr 6 min	
Recharge time to 90 %	30 hr					
Mechanical						
Enclosure	Light gray	powder coat aluminum	n cabinet with swing o	ut front door, NEMA 3R /	IP 44 rated	
Dimensions		W: 28.8" / 732 m	m x H: 24.0" / 610 mm	x D: 17.1" / 434 mm		
Weight with batteries lbs(kg)	360 (163)	360 (163)	380 (172)	380 (172)	390 (177)	
Mounting	Wall-Mount: (with w/6 mounting feet); Pole-Mount: (with Pole-Mount Bracket PM4) Pad-mount: (with Pad-mount bracket PAD2)					
Environmental						
Operating Temperature Range		14	° to +113° F ( -10° to +45	5°C)		
Protection Against Moisture and Dust	Circuit boards are conformal coated					
Installation environment	Sun shade over north facing enclosure required to avoid solar heating (Not included). Enclosure must be located at least 2 km from ocean					
Safety						
Safety listing	-	-	-	-	-	
Warranty						

		VIIB6	VIID6		VIIB6			
Model	XUPS-600-0890	XUPS-1000-0890	XUPS-1500-0890	XUPS-2200-0890	XUPS-3000-089			
AC Input								
Nominal voltage	115 V, 60 Hz							
Operating voltage		96 V - 136 V	V (without transferring)	to inverter)				
Frequency range Current at 96 V and		57 – 63 Hz						
max charging current	8.6 A	12 A	15 A	20 A	27 A			
nput Circuit Breaker rating	10 A	15 A	15 A	20 A	30 A			
Surge voltage withstand rating		ANSI/IEEE: 6 kV, 1.2 x	50 us / 3kA, 8 x 20 us cc	mbination waveform				
Remnant voltage			L-N: 450V & L-G: 300V					
AC Output								
Power	500 W	840 W	1050 W	1540 W	2250 W			
Maximum current	4.3 A	7.3 A	9.1 A	13 A	20 A			
/oltage 120 V / 230 V system			115 V ± 8%	l	1			
Crest factor			3: 1					
Waveform and THD		Sine w	vave, < 3% THD with line	ar load				
Power efficiency	Line: 97%	Line: 97%	Line: 97%	Line: 97%	Line: 97%			
(under full load conditions) Transfer time	Inverter: 85%	Inverter: 85%	Inverter: 87% ¼ to ½ cycle (typical)	Inverter: 87%	Inverter: 87%			
Battery		1	1					
Гуре x quantity	8G4D x 4	8G4D x 4	8G4D x 4	8G4D x 4	8G4D x 4			
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A			
Temperature range fully charged °F / °C	-4° to +140° F / -20° to +60° C ( -40° to +140° F / -40° to +60° C with optional battery heater)							
Battery heater pad	2 x BH5 Double	2 xBH5 Double	2 x BH5 Double	2 x BH5 Double	2 x BH5 Double			
Rated load runtime @ 25° C	12 hr	6 hr 45 min	5 hr 40 min	3 hr 30 min	2 hr 15 min			
Recharge time to 90 %	56 hr							
Mechanical	-							
Enclosure	Light gray	powder coat aluminum	n cabinet with swing ou	t front door, NEMA 3R /	IP 44 rated			
Dimensions		W: 36.0" / 914 mi	m x H: 36.0" / 914 mm x	D: 13.5" / 343 mm				
Weight with batteries lbs(kg)	680 (308)				710 (722)			
Mounting	680 (308)         680 (308)         680 (308)         710 (322)           Wall-Mount: (with w/6 mounting feet);           Pole-Mount: (with Pole-Mount Bracket PM3)           Pad-mount: (with Pad-mount bracket PAD4)							
Environmentel		Fau-moun	a want aa mount bla					
Environmental Operating Temperature Range		14	° to +113° F ( -10° to +45°	C)				
Protection Against Moisture								
and Dust	Circuit boards are conformal coated Sun shade over north facing enclosure required to avoid solar heating (Not included). Enclosure must be							
Installation environment	located at least 2 km from ocean							
Safety								
Safety listing	ETL/cETL	ETL/cETL	ETL/cETL	ETL/cETL	ETL/cETL			

XL	230V, 50 Hz		<b>Technical Specificati</b>					
Model	XUPS-600-3890	XUPS-1000-3890	XUPS-1500-3890	XUPS-2200-3890	XUPS-3000-3890			
AC Input		•	•	•	•			
Nominal voltage	230 V, 50 Hz							
Operating voltage	192 V - 272 V (without transferring to inverter)							
Frequency range		47 – 53 Hz						
Current at 96 V and max charging current	4.7 A	6.5 A	7.6 A	10 A	14 A			
Input Circuit Breaker rating	5 A	10 A	10 A	15 A	15 A			
Surge voltage withstand rating	ANSI/IEEE: 6 kV, 1.2 x 50 us / 3kA, 8 x 20 us combination waveform							
Remnant voltage			L-N: 450V & L-G: 300V					
AC Output								
Power	500 W	840 W	1050 W	1540 W	2250 W			
Maximum current	2.2 A	3.7 A	4.6 A	6.7 A	9.8 A			
/oltage			230 V ± 8%		·			
Crest factor			3: 1					
Waveform and THD		Sine w	vave, < 3% THD with line	ear load				
Power efficiency (under full load conditions)	Line: 97% Inverter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%			
Transfer time			<sup>1</sup> / <sub>4</sub> to <sup>1</sup> / <sub>2</sub> cycle (typical)		inverter. 07/3			
Battery								
Type x quantity	8G4D x 4	8G4D x 4	8G4D x 4	8G4D x 4	8G4D x 4			
Battery circuit breaker	30 A	60 A	40 A	60 A	80 A			
Temperature range fully charged °F∕°C	-4° to +140° F / -20° to +60° C ( -40° to +140° F / -40° to +60° C with optional battery heater)							
Battery heater pad	2 x BH6 Double	2 xBH6 Double	2 x BH6 Double	2 x BH6 Double	2 x BH6 Double			
Rated load runtime @ 25° C	12 hr	6 hr 45 min	5 hr 40 min	3 hr 30 min	2 hr 15 min			
Recharge time to 90 %	56 hr							
Mechanical								
Enclosure	Light gray	powder coat aluminum	n cabinet with swing ou	it front door, NEMA 3R /	IP 44 rated			
Dimensions		W: 36.0" / 914 m	m x H: 36.0" / 914 mm x	D: 13.5" / 343 mm				
Weight with batteries lbs(kg)	680 (308)	680 (308)	680 (308)	680 (308)	710 (322)			
Mounting	Wall-Mount: (with w/6 mounting feet); Pole-Mount: (with Pole-Mount Bracket PM3) Pad-mount: (with Pad-mount bracket PAD4)							
Environmental								
Operating Temperature Range		14	° to +113° F ( -10° to +45°	C)				
Protection Against Moisture and Dust	Circuit boards are conformal coated							
Installation environment	Sun shade over north facing enclosure required to avoid solar heating (Not included). Enclosure must be located at least 2 km from ocean							
Safety								
Safety listing	-	-	-	-	-			
			I					
Warranty								

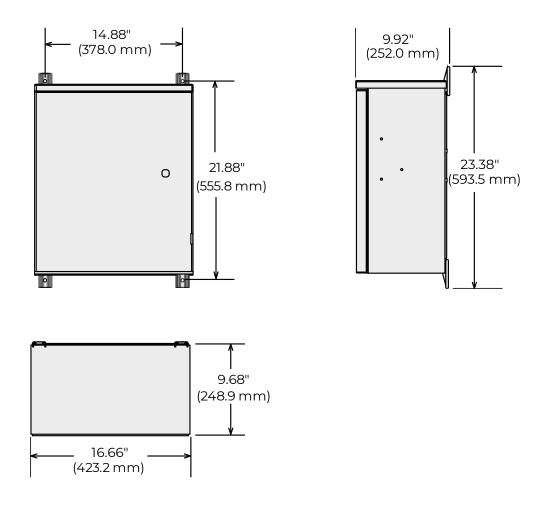
AC InputNominal voltageOperating voltageFrequency rangeCurrent at 96 V and max charging currentInput Circuit Breaker ratingSurge voltage withstand ratingRemnant voltageAC OutputPowerPowerSurge voltage withstand ratingRemnant voltageAC OutputPowerPowerSurge voltage withstand ratingRemnant voltageAC OutputPowerPowerSurge voltage withstand ratingRemnant voltageCrest factorWaveform and THDPower efficiency (under full load conditions)InverTransfer timeBatteryType x quantityBattery circuit breakerTamperature range fully charged °F / °CBattery heater pad2 x BHRated load runtime @ 25° CIn RechanicalEnclosureDimensionsWeight with batteries lbs(kg)GescMountingEnvironmentalOperating Temperature RangeProtection Against Moisture and Dust	600-4890				cifications <sup>*</sup>		
Nominal voltage         Operating voltage         Frequency range         Current at 96 V and max charging current         Input Circuit Breaker rating         Surge voltage withstand rating         Remnant voltage         AC Output         Power         AC Output         Power         Voltage         Crest factor         Waveform and THD         Power efficiency         (under full load conditions)         Inver         Transfer time         Battery         Type x quantity         Battery circuit breaker         3         Temperature range fully charged °F / °C         Battery heater pad       2 x BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       680         Mounting       680         Mounting       680         Dimensions       680         Mounting       680         Environmental       0perating Temperature Range         Protection Against Moisture and Dust       500		XUPS-1000-4890	XUPS-1500-4890	XUPS-2200-4890	XUPS-3000-4890		
Operating voltage         Frequency range         Current at 96 V and         max charging current         Input Circuit Breaker rating         Surge voltage withstand rating         Remnant voltage         AC Output         Power         Surge voltage         Cirest factor         Waveform and THD         Power efficiency         (under full load conditions)         Inver         Transfer time         Battery         Type x quantity         Battery circuit breaker         Temperature range fully         charged         °F / °C         Battery heater pad         2 x BH         Rated load runtime @ 25° C         Indechanical         Enclosure         Dimensions         Weight with batteries lbs(kg)         680         Mounting         Environmental         Operating Temperature Range         Protection Against							
Frequency range         Current at 96 V and max charging current         Input Circuit Breaker rating         Surge voltage withstand rating         Remnant voltage         AC Output         Power         AC Output         Power         Voltage         Crest factor         Waveform and THD         Power efficiency         (under full load conditions)         Inver         Transfer time         Battery         Type x quantity         Battery circuit breaker         Temperature range fully         charged         °F / °C         Battery heater pad         2 x BH         Rated load runtime @ 25° C         In         Mechanical         Enclosure         Dimensions         Weight with batteries lbs(kg)         680         Mounting         Environmental         Operating Temperature Range         Protection Against Moisture and Dust	240 V, 60 Hz						
Current at 96 V and max charging current 4 Input Circuit Breaker rating 5 Surge voltage withstand rating 7 Remnant voltage 5 AC Output 7 Power 50 Maximum current 2 Voltage 2 Crest factor 4 Waveform and THD 7 Power efficiency 1 (under full load conditions) 1 Inver 7 Transfer time 7 Battery 7 Type x quantity 86 Battery circuit breaker 3 Temperature range fully 2 charged °F / °C 7 Battery heater pad 2 x BH Rated load runtime @ 25° C 11 Recharge time to 90 % Mechanical 1 Enclosure 1 Dimensions 2 Weight with batteries lbs(kg) 680 Mounting 1 Environmental 1 Operating Temperature Range 1 Protection Against Moisture 1 and Dust 5 Un 1	200 V - 284 V (without transferring to inverter)						
max charging current       4         Input Circuit Breaker rating       3         Surge voltage withstand rating       8         Remnant voltage       3         AC Output       9         Power       50         Maximum current       2         Voltage       3         Crest factor       1         Waveform and THD       9         Power efficiency       Lin.         (under full load conditions)       Inver         Transfer time       3         Battery       86-         Battery circuit breaker       3         Temperature range fully charged °F / °C       8         Battery heater pad       2 × BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       680         Mechanical       5         Enclosure       680         Dimensions       680         Weight with batteries lbs(kg)       680         Mounting       680         Environmental       7         Operating Temperature Range       7         Protection Against Moisture and Dust       5			57 – 63 Hz				
Input Circuit Breaker rating Surge voltage withstand rating Remnant voltage AC Output Power 50 Maximum current 2 Voltage Crest factor Waveform and THD Power efficiency Lin- (under full load conditions) Inver Transfer time Battery Type x quantity 864 Battery circuit breaker 3 Temperature range fully charged °F / °C Battery heater pad 2 x BH Rated load runtime @ 25° C 11 Recharge time to 90 % Mechanical Enclosure Dimensions Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Sun 4	4.5 A	6.3 A	7.3 A	9.9 A	14 A		
Remnant voltage         AC Output         Power       50         Maximum current       2         Voltage       Crest factor         Waveform and THD       Power efficiency         Power efficiency       Lin-         (under full load conditions)       Inver         Transfer time       Battery         Battery       864         Battery circuit breaker       3         Temperature range fully       charged         °F / °C       2 x BH         Rated load runtime @ 25° C       1         Recharge time to 90 %       Mechanical         Enclosure       Dimensions         Weight with batteries lbs(kg)       680         Mounting       Environmental         Operating Temperature Range       Protection Against Moisture and Dust	5 A	10 A	10 A	15 A	15 A		
AC Output Power 50 Maximum current 2 Voltage Crest factor Waveform and THD Power efficiency Lin (under full load conditions) Inver Transfer time Battery Type x quantity 8G4 Battery circuit breaker 3 Temperature range fully charged °F / °C Battery heater pad 2 x BH Rated load runtime @ 25° C 11 Recharge time to 90 % Mechanical Enclosure Dimensions Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Sume	ANSI/IEEE: 6 kV, 1.2 x 50 us / 3kA, 8 x 20 us combination waveform						
Power       50         Maximum current       2         Voltage       2         Crest factor       3         Waveform and THD       1nver         Power efficiency (under full load conditions)       1nver         Transfer time       3         Battery       8G-         Battery circuit breaker       3         Temperature range fully charged °F / °C       2 x BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       3         Mechanical       5         Enclosure       5         Dimensions       680         Weight with batteries lbs(kg)       680         Mounting       5         Environmental       0         Operating Temperature Range       5         Protection Against Moisture and Dust       5			L-N: 450V & L-G: 300V				
Maximum current     2       Voltage					1		
Voltage	W 00	840 W	1050 W	1540 W	2250 W		
Crest factor Crest factor Waveform and THD Power efficiency (under full load conditions) Inver Transfer time Battery Type x quantity Battery circuit breaker Temperature range fully charged °F / °C Battery heater pad 2 x BH Rated load runtime @ 25° C Recharge time to 90 % Mechanical Enclosure Dimensions Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Sume	2.1 A	3.5 A	4.4 A	6.4 A	9.4 A		
Waveform and THD         Power efficiency (under full load conditions)         Inver         Transfer time         Battery         Type x quantity         Battery circuit breaker         3         Temperature range fully charged °F / °C         Battery heater pad         2 x BH         Rated load runtime @ 25° C         Recharge time to 90 %         Mechanical         Enclosure         Dimensions         Weight with batteries lbs(kg)         680         Mounting         Environmental         Operating Temperature Range         Protection Against Moisture and Dust			240 V ± 8%				
Power efficiency (under full load conditions)       Lin- Inver         Transfer time       Inver         Battery       SG-         Type x quantity       8G-         Battery circuit breaker       3         Temperature range fully charged °F / °C       2 x BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       Mechanical         Enclosure       Dimensions         Weight with batteries lbs(kg)       680         Mounting       Environmental         Operating Temperature Range       Protection Against Moisture and Dust			3: 1				
(under full load conditions)       Inver         Transfer time       Inver         Battery       Recharged         Type x quantity       8G-         Battery circuit breaker       3         Temperature range fully charged °F / °C       2 × BH         Battery heater pad       2 × BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       Inver         Mechanical       Inver         Dimensions       680         Weight with batteries lbs(kg)       680         Mounting       Inver         Environmental       Operating Temperature Range         Protection Against Moisture and Dust       Sume		Sine w	vave, < 3% THD with line	ear load			
Transfer time         Battery         Type x quantity       8G-         Battery circuit breaker       3         Temperature range fully charged °F / °C       2 × BH         Battery heater pad       2 × BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       11         Mechanical       11         Enclosure       11         Dimensions       680         Mounting       16         Environmental       0perating Temperature Range         Protection Against Moisture and Dust       5un c	e: 97% ter: 85%	Line: 97% Inverter: 85%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%	Line: 97% Inverter: 87%		
Type x quantity       8G         Battery circuit breaker       3         Temperature range fully charged °F / °C       3         Battery heater pad       2 x BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       3         Mechanical       3         Enclosure       3         Dimensions       680         Mounting       5         Environmental       3         Operating Temperature Range       5         Protection Against Moisture and Dust       5	Inverter. 65%         Inverter. 67%         Inverter. 67%           ¼ to ½ cycle (typical)						
Battery circuit breaker     3       Battery circuit breaker     3       Temperature range fully charged °F / °C     2 x BH       Battery heater pad     2 x BH       Rated load runtime @ 25° C     1       Recharge time to 90 %     3       Mechanical     3       Enclosure     3       Dimensions     680       Weight with batteries lbs(kg)     680       Mounting     5       Protection Against Moisture and Dust     5							
Temperature range fully charged °F / °C         Battery heater pad       2 x BH         Rated load runtime @ 25° C       11         Rated load runtime @ 25° C       11         Recharge time to 90 %       12         Mechanical       12         Enclosure       12         Dimensions       680         Mounting       12         Environmental       0         Operating Temperature Range       12         Protection Against Moisture and Dust       5	4D x 4	8G4D x 4	8G4D x 4	8G4D x 4	8G4D x 4		
charged °F / °C       2 x BH         Battery heater pad       2 x BH         Rated load runtime @ 25° C       11         Recharge time to 90 %       11         Mechanical       11         Enclosure       11         Dimensions       680         Mounting       11         Environmental       0         Operating Temperature Range       11         Protection Against Moisture and Dust       5	30 A	60 A	40 A	60 A	80 A		
Rated load runtime @ 25° C       11         Recharge time to 90 %	-4° to +140° F / -20° to +60° C ( -40° to +140° F / -40° to +60° C with optional battery heater)						
Recharge time to 90 %         Mechanical         Enclosure         Dimensions         Weight with batteries lbs(kg)         680         Mounting         Environmental         Operating Temperature Range         Protection Against Moisture and Dust	l6 Double	2 xBH6 Double	2 x BH6 Double	2 x BH6 Double	2 x BH6 Double		
Mechanical Enclosure Dimensions Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Sum	12 hr	6 hr 45 min	5 hr 40 min	3 hr 30 min	2 hr 15 min		
Enclosure Dimensions Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Sum			56 hr				
Dimensions Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Support							
Weight with batteries lbs(kg) 680 Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Support	Light gray	powder coat aluminum	n cabinet with swing ou	it front door, NEMA 3R /	IP 44 rated		
Mounting Environmental Operating Temperature Range Protection Against Moisture and Dust Sum		W: 36.0" / 914 mi	m x H: 36.0" / 914 mm x	D: 13.5" / 343 mm			
Environmental Operating Temperature Range Protection Against Moisture and Dust Sum	D (308)	680 (308)	680 (308)	680 (308)	710 (322)		
Operating Temperature Range Protection Against Moisture and Dust Sup	Wall-Mount: (with w/6 mounting feet); Pole-Mount: (with Pole-Mount Bracket PM3) Pad-mount: (with Pad-mount bracket PAD4)						
Protection Against Moisture and Dust							
and Dust	14° to +113° F ( -10° to +45° C )						
Sup	Circuit boards are conformal coated						
Installation environment	Sun shade over north facing enclosure required to avoid solar heating (Not included). Enclosure must be located at least 2 km from ocean						
Safety							
Safety listing	-	-	-	-	-		

# **Model Number Selection Guide**

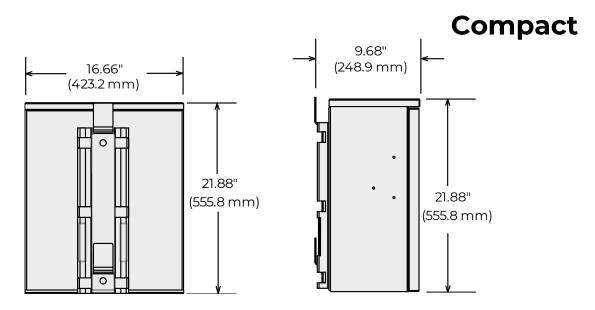
XUPS-000-0-0-0-0	
Options	
0	Standard
1-9	Options
A-Z	Options
0	A cabinet size Non-standard type
2	Compact (OD. approx. = 16.5"W x 20.5"H x 9.5"D) Plus (OD. approx. = 24"Wx24"Hx13.75"D)
	Extended (OD. approx. = 24 "Wx24"Hx17.13"D)
	Large (OD. approx. = 28"Wx24"Hx17.13"D)
9	XL (OD. approx. = 36"Wx36"Hx13.75"D)
Standard	Battery Type / Battery quantity Non-standard type
1	NP18-12 / quantity: 4
2	8GU1 / quantity: 2
3	8GU1 / quantity: 4
4	8G24FT / quantity: 2
5	8G24FT / quantity: 4
6	8G31DT / quantity: 2
7	8G31DT / quantity: 4
8	8G4D LTP / quantity: 4
	voltage and frequency
0	115 V, 60 Hz
	208 V, 60 Hz 220 V, 60 Hz
	230 V, 50 Hz
4	240 V, 60 Hz
5	230 V, 60 Hz
6	115 V, 50 Hz
7	127 V, 60 Hz
Series	
600	500 W with 24 VDC Battery Bank
1000	840 W with 24 VDC Battery Bank
1200	1200 W with 48 VDC Battery Bank
1500	1050 W with 48 VDC Battery Bank
2200	1540 W with 48 VDC Battery Bank
3000	2250 W with 48 VDC Battery Bank

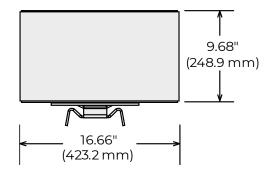
Dimensions shown are for standard wall mount type. For other mounting, please contact us for details.

#### Compact

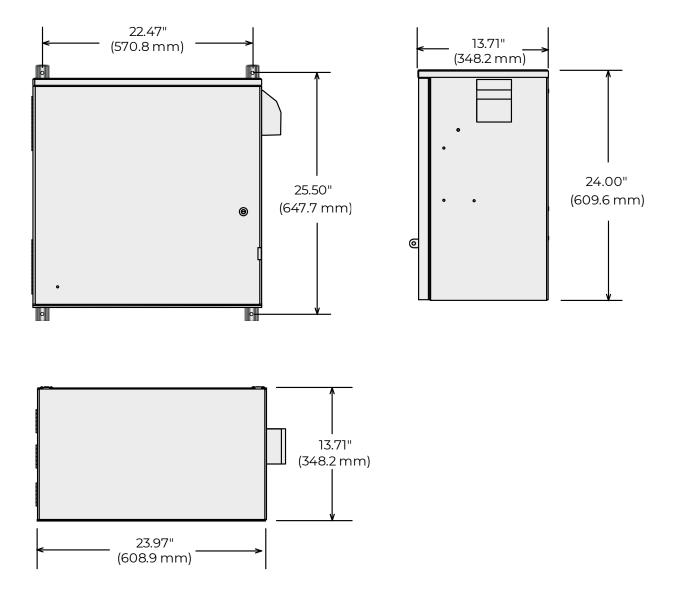


Dimensions shown are for pole mount type. For other mounting, please contact us for details.





Dimensions shown are for standard wall mount type.

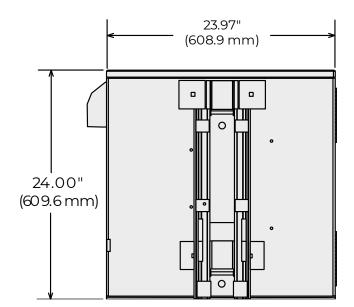


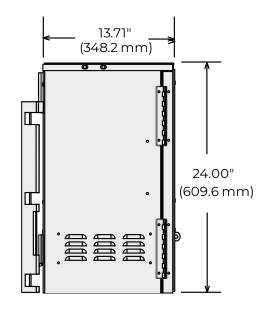
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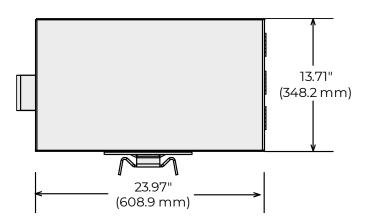


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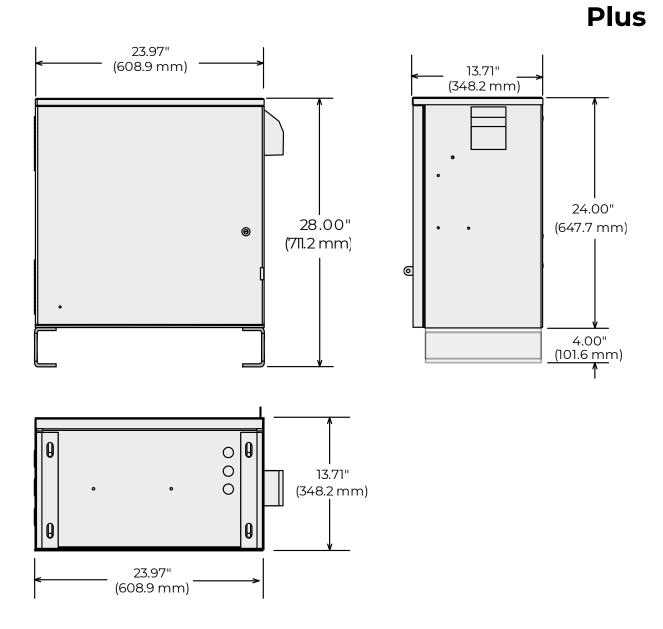
Plus





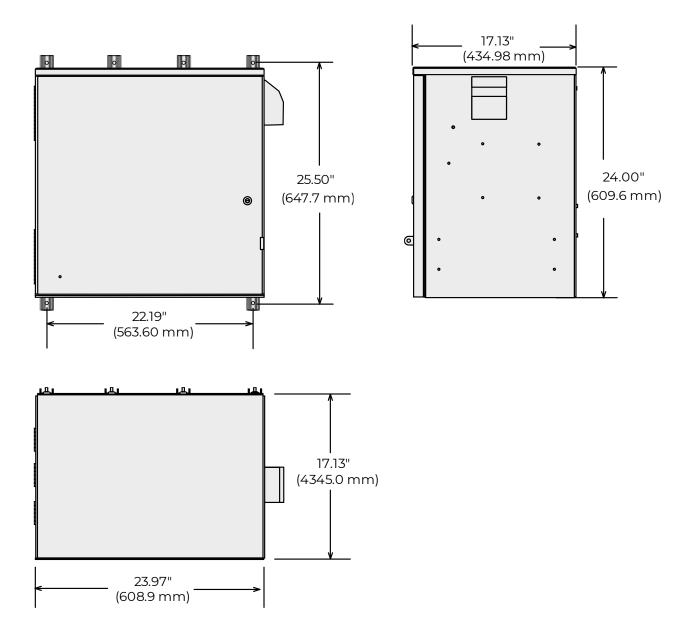


Dimensions shown are for pad mount type.



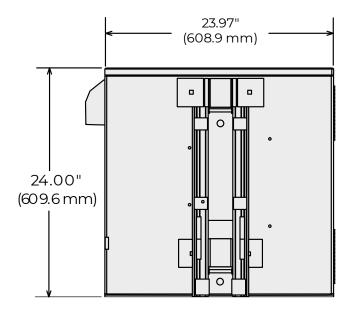
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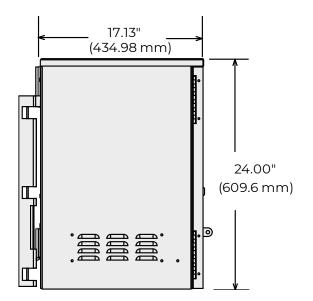
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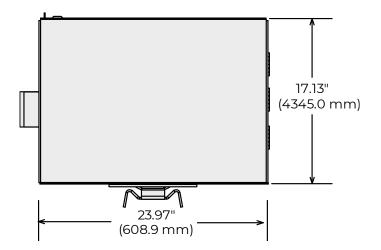


Dimensions shown are pole mount type. For other mounting, please contact us for details

#### Extended

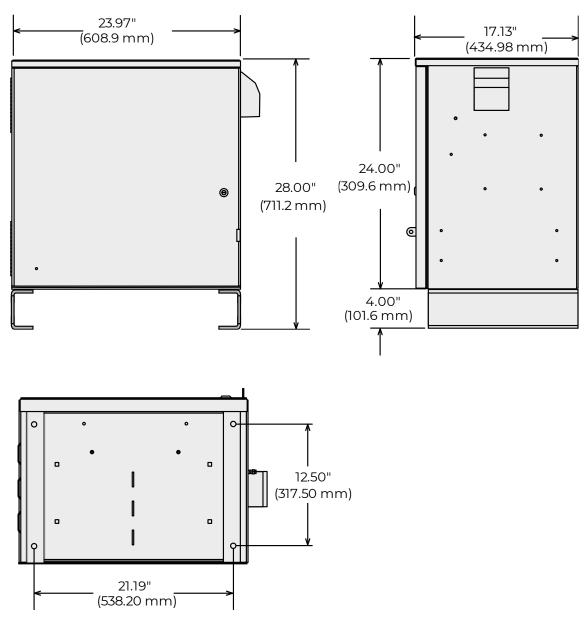






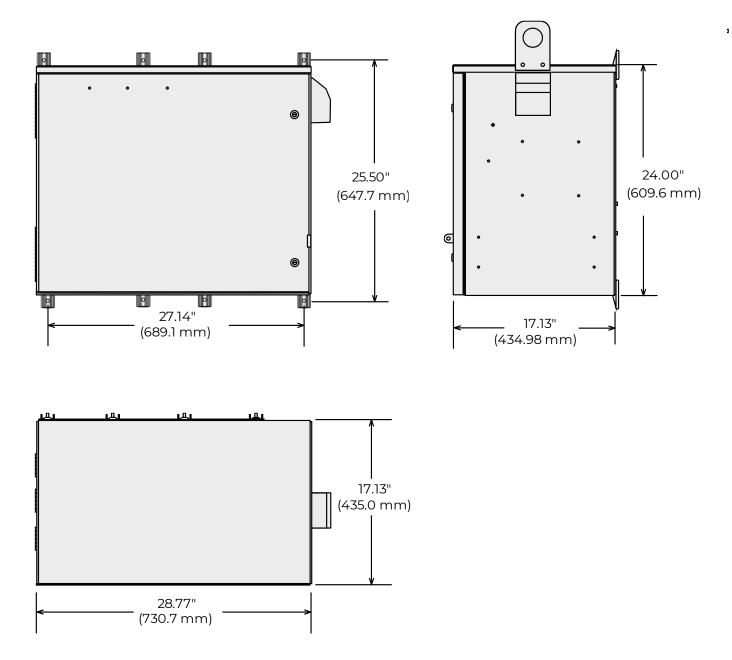
Dimensions shown are pad mount type. For other mounting, please contact us for details



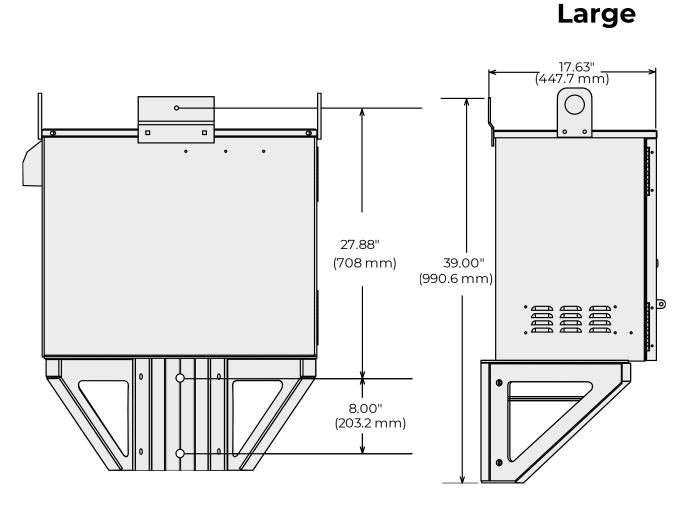


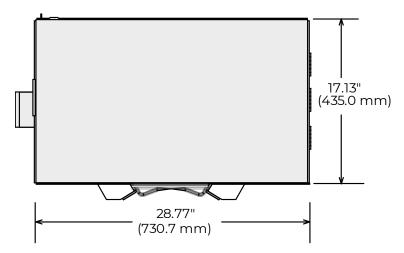
Dimensions shown are for standard wall mount type. For other mounting, please contact us for details





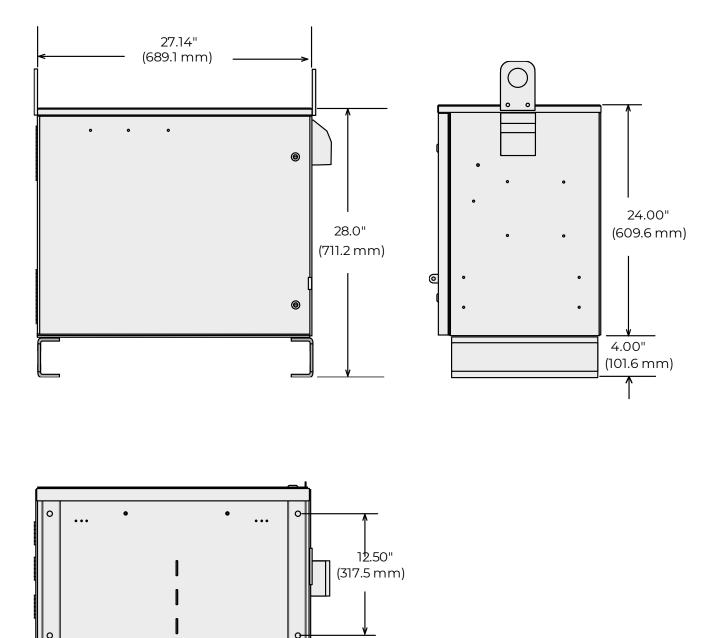
Dimensions shown are for pole mount type. For other mounting, please contact us for details





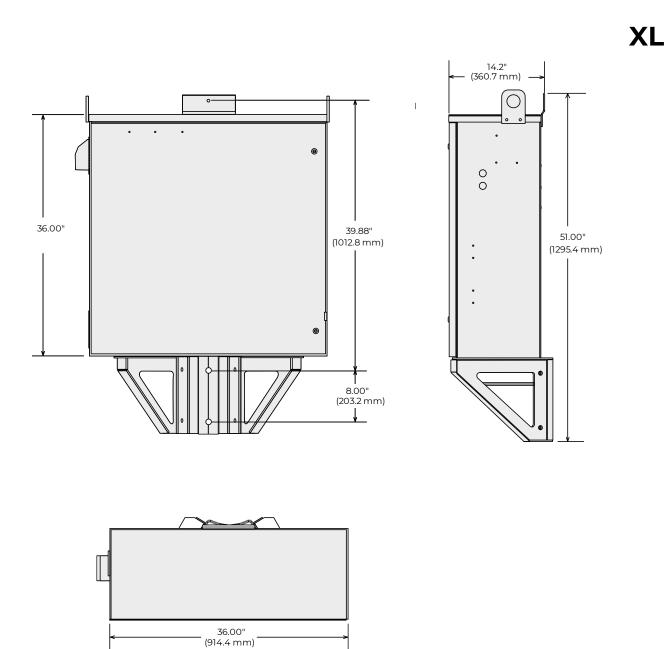
Dimensions shown are for pad mount type. For other mounting, please contact us for details



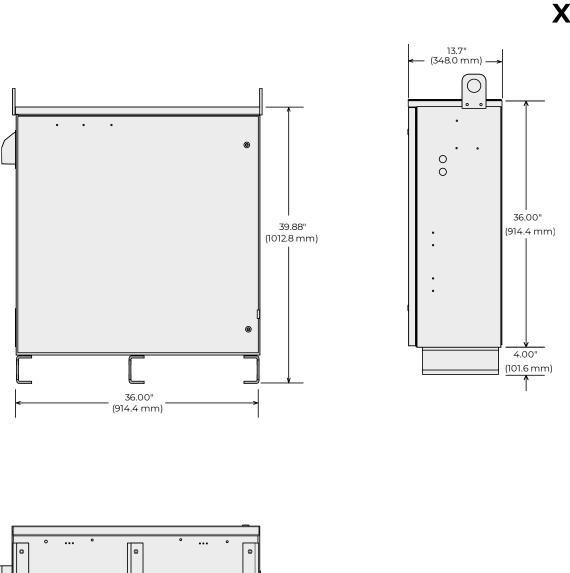


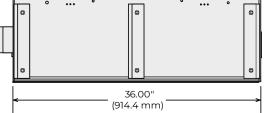
25.98" (660.0 mm)<sup>-</sup>

Dimensions shown are for standard wall and pole mount type. For other mounting, please contact us for details



Dimensions shown are for pad mount type. For other mounting, please contact us for details





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#### Backup time with different battery bank

The different XUPS products provides the required backup time according the application requirements and load factor. The following tables show the backup time for the various XUPS products for different load.

	Compact 24 V	Compact 48 V	Plus	Extended	Large	XL
Batteries	2 x 8GU1	4 x NP18-12	4 x 8GU1	4 x 8G24	4 x 8G31	4 x 8G4D
10 W	20 hr	20 hr	56 hr	140 hr	230 hr	500 hr
25 W	8 hr 4 min	8 hr	23 hr	57 hr	95 hr	200 hr
50 W	4 hr	4 hr	11 hr	28 hr	47 hr	100 hr
100 W	2 hr	2 hr	5 hr 37 min	14 hr	24 hr	51 hr
250 W	48 min	48 min	2 hr 15 min	5 hr 40 min	9 hr 27 min	20 hr
500 W	34 min	39 min	1 hr 27 min	4 hr 20 min	6 hr 5 min	12 hr
840 W	14 min	19 min	40 min	2 hr 25 min	3 hr 20 min	6 hr 45 min
1050 W	-	13 min	33 min	2 hr	2 hr 45 min	5 hr 40 min
1540 W	-	8 min	-	1 hr 10 min	1 hr 40 min	3 hr 30 min
2250 W	-	-	-	38 min	1 hr 3 min	2 hr 15 min

These run times are estimates at 25 °C, and are subject to change.



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