



The VRP is a highly sophisticated automatic precision AC voltage regulator that ensures maintenance free operation of electronic equipment over a very wide input voltage range.

TSI Power's VRP series is designed to provide high precision power with industry leading response time of one-half line cycle (10 ms or less).

### Features and Benefits

Standby operation minimizes interaction with existing loads or power distribution systems, while being compatible with most loads

Wide input range ( $\pm 20\%$ ) and precise output regulation ( $\pm 3\%$ ) provides superior performance.

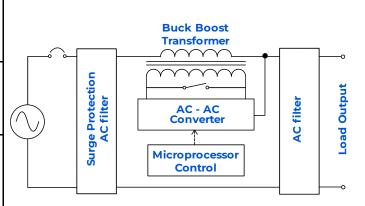
Various AC input/output connector type wiring terminals facilitate specific applications.

Internal surge protection and noise filtering assures trouble-free operation.

AC input circuit breakers and load over-current protection prevents costly equipment damage.

Customizable for unique and challenging applications.

### How the VRP works



The high frequency Insulated Gate Bi-polar Transistor (IGBT) driven converter takes the incoming AC power, measures it against the nominal voltage reference and adds or subtracts voltage to achieve a precisely regulated output. The automatic bypass will be activated when there is a fault condition. Green LED is used to indicate Normal (regulating mode) operation.

VRP					
	Rated frequ	ency			
	Frequenc	:y Su	ffix		
	50/60 Hz		A		
	60 Hz		В		
	Input / Outp	out wiring co	onnections*		
	Wiri	ng connectio	on	Suffix	
		Hard-wired		00	
	NEM	IA straight blac	de	11	
	NE	MA twist-lock		22	
		IEC 60320		33	
		Schuko		44	
		UK		55	
	Austra	alia/New Zeala	ind	66	
	Nominal vol	tage			
	Voltage	Su	ffix		
	120 V		3		
	208 V		5		
	220 V		6		
	230 V		7		
	240 V		8		
	Rated capac	<b>:ity in VA</b> (rou	inded to the nea	rest hundred)	
	VA (120 V)	VA (208 V)	VA (220 V)	VA (230 V)	VA (240 V)
	1400	1700	1800	1800	1900
	1900	2500	2600	2800	2900
	2900	3300	3500	3700	3800
	4800	5000	5300	5500	5800
	7700	6700	7000	7400	7700
	9600	8300	8800	9200	9600
	18000	13300	12300	14700	15400
		15000	14100	16600	17300
		16700	15800	18400	19200
		31300	17600	34600	36100
			33100		

### **Model Number Selection Guide**

### Example:

Model VRP-2900-300B will have rated capacity of <u>2900 VA</u>, nominal voltage of <u>120V</u>, <u>hard-wired input and output connectors</u>, and rated frequency of <u>60</u> <u>Hz frequency rating</u>.

\*Note 1: Refer to connector types in Table A for details.

**•Note 2**: For custom build models, please contact TSI Power. Contact information can be found on the last page of this document.

### [120 V, 1440 VA]

Model	VRP-1400-311B	VRP-1400-322B	VRP-1400-333B
Electrical			
Capacity / (VA)		1440	
Design topology	High-performance	High-performance PWM voltage regulator operating at 20 kHz	
Voltage correction time		8 ms (½ line cycle)	
AC Input			
Input voltage range		120 V ± 20% (96 – 144 V)	
Frequency		60 Hz ± 5 %	
Input circuit breaker rating		15 A	
AC Input connector	NEMA 5-15P	NEMA L5-15P twist-lock	IEC 60320 C14
Surge protection	-	irge protector protects both ed equipment from surges &	
AC Output			
Output voltage		120 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	12.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	4x NEMA 5-15R	NEMA L5-15R	IEC 60320 C13
Physical			
Dimension (W x H x D)	12" (305	12" (305 mm) x 6.2" (158 mm) x 15" (381 mm)	
Weight		32 lbs (14.5 kg)	
Wall / floor mounting kit		MK-4000C	
Max wire size (hard-wired)	Not applicable		
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	relative humidity (non-cond	ensing)
Operating altitude range		00 meters (6,600 ft) above se thout derating output powe	
Storage temperature range	-	-4° to +140° F (-20° to +60°C)	

Agency approvals

Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

Two-year limited warranty on parts and labor

#### Model VRP-1900-300B VRP-1900-311B VRP-1900-322B VRP-1900-333B **Electrical** Capacity / (VA) 1920 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 ms (1/2 line cycle) **AC Input** Input voltage range 120 V ± 20% (96 – 144 V) 60 Hz ± 5 % Frequency Input Circuit breaker rating 20 A AC Input connector Hard-wired **NEMA 5-20P** NEMA L5-20P IEC 60320 C20 Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes AC Output **Output voltage** 120 V ± 3% 97% typical (for load of 50 to 100%) **Power efficiency** Maximum rated output current 16.0 A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault **Output connector** Hard-wired 4x NEMA 5-20R NEMA L5-20R IEC 60320 C19 Physical Dimension ( $W \times H \times D$ ) 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Weight 32 lbs (14.5 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) 8 AWG (10 mm<sup>2</sup>) Not applicable **Environmental Operating Temperature Range** 32° to +104° F (0° to +40° C) **Operating Humidity Range** 10 to 90% relative humidity (non-condensing) 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power) -4° to +140° F (-20° to +60°C) Storage temperature range

#### Safety

Agency approvals

Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

Two-year limited warranty on parts and labor

\*Note: For continuous product improvement, specifications are subject to change without notice.

[120 V, 1920 VA]

[120 V, 2880 VA]

Model	VRP-2900-300B	VRP-2900-311B	VRP2-2900-322B
Electrical			
Capacity / (VA)		2880	
Design topology	High-performance PWM voltage regulator operating at 20 kHz		
Voltage correction time		8 ms (½ line cycle)	
AC Input			
Input voltage range		120 V ± 20% (96 – 144 V)	
Frequency		60 Hz ± 5%	
Input Circuit breaker rating		30 A	
AC Input connector	Hard-wired	NEMA 5-30P	NEMA L5-30P
Surge protection	÷	rge protector protects both ed equipment from surges &	
AC Output			
Output voltage		120 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		%)
Maximum rated output current	24.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	Hard-wired	NEMA 5-30R	NEMA L5-30R
Physical			
Dimension (W x H x D)	12" (305 mm) x 6.2" (158 mm) x 15" (381 mm)		31 mm)
Weight	43 lbs (19.5 kg)		
Wall / floor mounting kit		MK-4000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	Not Appl	icable
Environmental			
Operating Temperature Range	-	32° to +104° F (0° to +40° C)	
Operating Humidity Range	10 to 90% relative humidity (non-condensing)		lensing)
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-	4° to +140° F (-20° to +60°C)	
Safety			
Agency approvals	Designed to r	neet UL 60950 (UL/cUL listir	ng pending)

### Warranty

Two-year limited warranty on parts and labor

### [120 V, 4800 VA]

Model	VRP-4800-300B	VRP-4800-311B	
Electrical			
Capacity / (VA)	48	00	
Design topology	High-performance PWM voltage regulator operating at 20 kHz		
Voltage correction time	8 ms (½ l	ine cycle)	
AC Input			
Input voltage range	120 V ± 20%	(96 − 144 V)	
Frequency	60 Hz	: ± 5 %	
Input Circuit breaker rating	50	A	
AC Input connector	Hard-wired	NEMA 5-50P	
Surge protection	Three-stage surge protector connected equipmen		
AC Output			
Output voltage	120 V	′ ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	40.		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	Hard-wired	NEMA 5-50R	
Physical			
Dimension (W x H x D)	12" (305 mm) x 6.2" (15	58 mm) x 15" (381 mm)	
Weight	47 lbs (	21.3 kg)	
Wall / floor mounting kit	MK-4	000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	Not applicable	
Environmental			
Operating Temperature Range	32° to +104° F	(0° to +40° C)	
Operating Humidity Range	10 to 90% relative hum	idity (non-condensing)	
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-4° to +140° F	(-20° to +60°C)	
Safety			
Agency approvals	Designed to meet UL 6095	50 (UL/cUL listing pending)	

#### Warranty

Two-year limited warranty on parts and labor

# Technical Specifications\* [120 V, 7680/9600/18000 VA]

Model	VRP-7700-300B	VRP-9600-300B	VRP-18000-300B
Electrical			
Capacity / (VA)	7680	9600	18000
Design topology	High-performanc	High-performance PWM voltage regulator operating at 20 kHz	
Voltage correction time		8 ms (½ line cycle)	
AC Input			
Input voltage range		120 V ± 20% (96 – 144 V)	
Frequency		60 Hz ± 5 %	
Input Circuit breaker rating	80 A	100 A	None
AC Input connector		Hard-wired	
Surge protection		urge protector protects botl ed equipment from surges	
AC Output Output voltage		120 V ± 3%	
Power efficiency	97%	6 typical (for load of 50 to 10	0%)
Maximum rated output current	64.0 A	80.0 A	150.0 A
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		ON-Bypass operation
Output connector		Hard-wired	
Physical			
Dimension (W x H x D)	14.5" (368 mm) x 8.9" (2	24.0" (610 n 14.5" (368 mm) x 8.9" (226 mm) x 19.8" (502 mm) 24.6" (625 n 24.0" (610	
Weight	86 lbs (39 kg)	109 lbs (9.4 kg)	251 lbs (113.9 kg)
Wall / floor mounting kit	MK-8	3000C	Not applicable
Max wire size (hard-wired)	2 AWG (35 mm²)	2 AWG (35 mm²)	4/0 AWG (120 mm²)
Environmental			
Operating Temperature Range		32° to +104° F (0° to +40° C)	
Operating Humidity Range	10 to 90%	6 relative humidity (non-con	idensing)
Operating altitude range		00 meters (6,600 ft) above s ithout derating output pow	
Storage temperature range		-4° to +140° F (-20° to +60°C)	
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ing pending)

#### Warranty

#### Two-year limited warranty on parts and labor

[208 V, 1664 VA]

Model	VRP-1700-500A	VRP-1700-533A	
Electrical			
Capacity / (VA)	1664		
Design topology	High-performance PWM voltag	e regulator operating at 20 kHz	
Voltage correction time	8 - 10 ms (½ line cycle)		
AC Input			
Input voltage range	208 V ±20%	(166 – 250 V)	
Frequency	50/60 H	Hz ± 5 %	
Input circuit breaker rating	10	A	
AC Input connector	Hard-wired	IEC 60320 C14	
Surge protection	• • •	r protects both the VRP and t from surges & spikes	
AC Output			
Output voltage	208 \	/ ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	8.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	Hard-wired	IEC 60320 C13	
Physical			
Dimension (W x H x D)	12" (305 mm) x 6.2" (15	i8 mm) x 15" (381 mm)	
Weight	32 lbs (	14.5 kg)	
Wall / floor mounting kit	MK-4	.000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	Not applicable	
Environmental			
Operating temperature range	32° to +104° F	(0° to +40° C)	
Operating humidity range	10 to 90% relative humidity (non-condensing)		
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-4° to +140° F	(-20° to +60°C)	
Safety			
Agency approvals	Designed to meet UL 6095	50 (UL/cUL listing pending)	
	-		

#### Warranty

Two-year limited warranty on parts and labor

#### Model VRP-2500-500A VRP-2500-511A VRP-2500-522A VRP-2500-533A **Electrical** Capacity / (VA) 2496 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 - 10 ms (1/2 line cycle) **AC Input** Input voltage range 208 V ±20% (166 - 250 V) 50/60 Hz ± 5 % Frequency Input circuit breaker rating 15 A AC Input connector Hard-wired **NEMA 6-15P** NEMA L6-15P IEC 60320 C20 Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes AC Output Output voltage 208 V ± 3% **Power efficiency** 97% typical (for load of 50 to 100%) Maximum rated output current 12 O A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault **Output connector** Hard-wired **NEMA 6-15R** NEMA L6-15R IEC 60320 C19 Physical 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Dimension (W x H x D) Weight 40 lbs (18.1 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) 8 AWG (10 mm<sup>2</sup>) Not applicable **Environmental Operating temperature range** 32° to +104° F (0° to +40° C) **Operating humidity range** 10 to 90% relative humidity (non-condensing) 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power) -4° to +140° F (-20° to +60°C) Storage temperature range Safety Agency approvals Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

### Two-year limited warranty on parts and labor

\*Note: For continuous product improvement, specifications are subject to change without notice.

[208 V, 2496 VA]

[208 V, 3328 VA]

Model	VRP-3300-500A	VRP-3300-511A	VRP-3300-522A
Electrical			
Capacity / (VA)		3328	
Design topology	High-performance PWM voltage regulator operating at 20 kHz		
Voltage correction time	8 - 10 ms (½ line cycle)		
AC Input			
Input voltage range		208 V ±20% (166 – 250 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating		20 A	
AC Input connector	Hard-wired	NEMA 6-20P	NEMA L6-20P
Surge protection	-	irge protector protects bot ed equipment from surges	
AC Output			
Output voltage		208 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	16.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		DN-Bypass operation
Output connector	Hard-wired	NEMA 6-20R	NEMA L6-20R
Physical			
Dimension (W x H x D)	12" (305	mm) x 6.2" (158 mm) x 15" (3	381 mm)
Weight	47 lbs (21.3 kg)		
Wall / floor mounting kit	MK-4000C		
Max wire size (hard-wired)	Not applicable		
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90% relative humidity (non-condensing)		idensing)
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range		4° to +140° F (-20° to +60°C	
		<u> </u>	·
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ing pending)

#### Warranty

Two-year limited warranty on parts and labor

[208 V, 4992 VA]

Model	VRP-5000-500A	VRP-5000-511A	VRP-5000-522A	
Electrical	·			
Capacity / (VA)		4992		
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz	
Voltage correction time		8 - 10 ms (½ line cycle)		
AC Input				
Input voltage range		208 V ±20% (166 – 250 V)		
Frequency		50/60 Hz ± 5 %		
Input circuit breaker rating		30 A		
AC Input connector	Hard-wired	NEMA 6-30P	NEMA L6-30P	
Surge protection	-	irge protector protects bot ed equipment from surges		
AC Output			·	
Output voltage		208 V ± 3%		
Power efficiency	97%	97% typical (for load of 50 to 100%)		
Maximum rated output current	24.0 A			
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault			
Output connector	Hard-wired	NEMA 6-30R	NEMA L6-30R	
Physical				
Dimension (W x H x D)	12" (305 mm) x 6.2" (158 mm) x 15" (381 mm)			
Weight	49 lbs (22.2 kg)			
Wall / floor mounting kit		MK-4000C		
Max wire size (hard-wired)	8 AWG (10 mm²)	Not app	blicable	
Environmental				
Operating temperature range		32° to +104° F (0° to +40° C)		
Operating humidity range	10 to 90% relative humidity (non-condensing)		idensing)	
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)			
Storage temperature range		4° to +140° F (-20° to +60°C)		
Safaty				
Safety Agency approvals	Designed to r	meet UL 60950 (UL/cUL list	ina pendina)	
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### Warranty

Two-year limited warranty on parts and labor

[208 V, 6656/8320 VA]

Model	VRP-6700-500A	VRP-8300-500A	VRP-8300-511A
Electrical			
Capacity / (VA)	6656	83	20
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz
Voltage correction time		8 - 10 ms (½ line cycle)	
AC Input			
Input voltage range		208 V ±20% (166 – 250 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating	40 A	50.	A
AC Input connector	Hard	-wired	NEMA 6-50P
Surge protection		surge protector protects both cted equipment from surges &	
	conne	eted equipment norn surges a	spixes
AC Output			
Output voltage		208 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		0%)
Maximum rated output current	32.0 A 40.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		ON-Bypass operation
Output connector	Hard-wired NEMA 6-501		NEMA 6-50R
Physical			
Dimension (W x H x D)	14.5" (368	mm) x 8.9" (226 mm) x 19.8"	(502 mm)
Weight	86 lbs (39 kg)	104 lbs (	47.2 kg)
Wall / floor mounting kit		MK-8000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	8 AWG (10 mm²)	Not applicable
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	6 relative humidity (non-con	idensing)
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-4° to +140° F (-20° to +60°C)		•
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ing pending)
Warranty			

Two-year limited warranty on parts and labor

### **Technical Specifications\*** [208 V, 13312/14976/16640 VA]

Model	VRP-13300-500A	VRP-15000-500A	VRP-16700-500A
Electrical			
Capacity / (VA)	13312	14976	16640
Design topology	High-performanc	e PWM voltage regulator op	perating at 20 kHz
Voltage correction time		8 - 10 ms (½ line cycle)	
AC Input			
Input voltage range		208 V ±20% (166 – 250 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating	80 A	90 A	100 A
AC Input connector		Hard-wired	
Surge protection	-	urge protector protects bot ed equipment from surges	
	connect		
AC Output		202214 - 70/	
Output voltage		208 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		,
Maximum rated output current	64.0 A	72.0 A	80.0 A
System status indicator	Green LED ON-Norn	nal operation - Amber LED ( Red LED ON-Fault	ON-Bypass operation
Output connector	Hard-wired		
Physical			
Dimension (W x H x D)	14.5" (368	mm) x 8.9" (226 mm) x 19.8"	(502 mm)
Weight	116 lbs (52.69 kg)	118 lbs (53.5 kg)	127 lbs (57.6 kg)
Wall / floor mounting kit		MK-8000C	
Max wire size (hard-wired)		2 AWG (35 mm²)	
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	، relative humidity (non-cor 6	idensing)
Operating altitude range	0 to 2,0	00 meters (6,600 ft) above s	sea level
Storage temperature range	(without derating output power) -4° to +140° F (-20° to +60°C)		,
J			,
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ing pending)

### Warranty

Two-year limited warranty on parts and labor

[208 V, 31283 VA]

Model	VRP-31300-500A	
Electrical		
Capacity / (VA)	31283	
Design topology	High-performance PWM voltage regulator operating at 20 kHz	
Voltage correction time	8 - 10 ms (½ line cycle)	
AC Input		
Input voltage range	208 V ±20% (166 – 250 V)	
Frequency	50/60 Hz ± 5 %	
Input circuit breaker rating	None	
AC Input connector	Hard-wired	
Surge protection	Three-stage surge protector protects both the VRP and connected equipment from surges & spikes	
AC Output		
Output voltage	208 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)	
Maximum rated output current	150.4 A	
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault	
Output connector	Hard-wired	
Physical		
Dimension (W x H x D)	24.0" (610 mm) x 24.6" (625 mm) x 24.0" (610 mm)	
Weight	355 lbs (161.0 kg)	
Wall / floor mounting kit	Not applicable	
Max wire size (hard-wired)	4/0 AWG (120 mm²)	
Environmental		
Operating temperature range	32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90% relative humidity (non-condensing)	
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)	
Storage temperature range	-4° to +140° F (-20° to +60°C)	
Safety		
Agency approvals	Designed to meet UL 60950 (UL/cUL listing pending)	

#### Warranty

Two-year limited warranty on parts and labor

### [220 V, 1760 VA]

Model	VRP-1800-600A	VRP-1800-633A	
Electrical			
Capacity / (VA)	170	60	
Design topology	High-performance PWM voltag	e regulator operating at 20 kHz	
Voltage correction time	8 - 10 ms (½	2 line cycle)	
AC Input			
Input voltage range	220 V ± 20%	(176 – 264 V)	
Frequency	50/60 H	Iz ± 5 %	
Input circuit breaker rating	10	A	
AC input connector	Hard-wired	IEC 60320 C14	
Surge protection	Three-stage surge protector connected equipmen		
AC Output			
Output voltage	220 V	′ ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	8.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	Hard-wired	IEC 60320 C13	
Physical			
Dimension (W x H x D)	12" (305 mm) x 6.2" (158 mm) x 15" (381 mm)		
Weight	32 lbs (	14.5 kg)	
Wall / floor mounting kit	MK-4	000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	Not applicable	
Environmental			
Operating temperature range	32° to +104° F	(0° to +40° C)	
Operating humidity range	10 to 90% relative humidity (non-condensing)		
Operating altitude range	0 to 2,000 meters (6,6 (without deratin	600 ft) above sea level g output power)	
Storage temperature range	-4° to +140° F	(-20° to +60°C)	
Safety			
Agency approvals	Designed to meet UL 6095	i0 (UL/cUL listing pending)	

#### Warranty

Two-year limited warranty on parts and labor

#### Model VRP-2600-600A VRP-2600-611A VRP-2600-622A VRP-2600-633A **Electrical** Capacity / (VA) 2640 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 - 10 ms (1/2 line cycle) **AC Input** Input voltage range 220 V ± 20% (176 - 264 V) 50/60 Hz ± 5 % Frequency Input circuit breaker rating 15 A AC input connector Hard-wired **NEMA 6-15P** NEMA L6-15P IEC 60320 C20 Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes AC Output Output voltage 220 V ± 3% **Power efficiency** 97% typical (for load of 50 to 100%) Maximum rated output current 12 O A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault **Output connector** Hard-wired NEMA 6-15R NEMA L6-15R IEC 60320 C19 Physical 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Dimension (W x H x D) Weight 40 lbs (18.1 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) 8 AWG (10 mm<sup>2</sup>) Not applicable **Environmental Operating temperature range** 32° to +104° F (0° to +40° C) **Operating humidity range** 10 to 90% relative humidity (non-condensing) 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power) -4° to +140° F (-20° to +60°C) Storage temperature range Safety Agency approvals Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

### Two-year limited warranty on parts and labor

\*Note: For continuous product improvement, specifications are subject to change without notice.

[220 V, 2640 VA]

[220 V, 3520 VA]

Model	VRP-3500-600A	VRP-3500-611A	VRP-3500-622A
Electrical			
Capacity / (VA)		3520	
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz
Voltage correction time		8 - 10 ms (½ line cycle)	
AC Input			
Input voltage range		220 V ± 20% (176 – 264 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating		20 A	
AC input connector	Hard-wired	NEMA 6-20P	NEMA L6-20P
Surge protection	-	irge protector protects both ed equipment from surges	
AC Output			
Output voltage	220 V ± 3%		
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	16.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	Hard-wired	NEMA 6-20R	NEMA L6-20R
Physical			
Dimension (W x H x D)	12" (305	mm) x 6.2" (158 mm) x 15" (3	381 mm)
Weight		47 lbs (21.3 kg)	
Wall / floor mounting kit		MK-4000C	
Max wire size (hard-wired)	Not applicable		
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	relative humidity (non-con	idensing)
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-4° to +140° F (-20° to +60°C)		
Safety			
Agency approvals	Designed to meet UL 60950 (UL/cUL listing pending)		

#### Warranty

Two-year limited warranty on parts and labor

[220 V, 5280 VA]

RP-5300-622A	VRP-5300-611A VRP-53	VRP-5300-600A	Model
			Electrical
5280			Capacity / (VA)
High-performance PWM voltage regulator operating at 20 kHz			Design topology
	8 - 10 ms (½ line cycle)		Voltage correction time
			AC Input
	220 V ± 20% (176 – 264 V)		Input voltage range
	50/60 Hz ± 5 %		Frequency
	30 A		Input circuit breaker rating
IEMA L6-30P	NEMA 6-30P NEMA	Hard-wired	AC input connector
	surge protector protects both the VRP ar cted equipment from surges & spikes	-	Surge protection
			AC Output
	220 V ± 3%		Output voltage
	7% typical (for load of 50 to 100%)	Power efficiency	
	24.0 A	Maximum rated output current	
ass operation	mal operation - Amber LED ON-Bypass c Red LED ON-Fault	System status indicator	
IEMA L6-30R			Output connector
	i		Physical
)	5 mm) x 6.2" (158 mm) x 15" (381 mm)	12" (305	Dimension (W x H x D)
	49 lbs (22.2 kg)		Weight
	MK-4000C		Wall / floor mounting kit
	Not applicable	8 AWG (10 mm²)	Max wire size (hard-wired)
			Environmental
	32° to +104° F (0° to +40° C)	:	Operating temperature range
g)	% relative humidity (non-condensing)	10 to 90%	Operating humidity range
0 to 2,000 meters (6,600 ft) above sea level (without derating output power)			Operating altitude range
	-4° to +140° F (-20° to +60°C)		Storage temperature range
			Safety
ding)	o meet UL 60950 (UL/cUL listing pending	Designed to r	
ıC	o meet UL 60950 (UL/cUL listing pend	Designed to r	Safety Agency approvals

### Warranty

Two-year limited warranty on parts and labor

[220 V, 7040/8800 VA]

Model	VRP-7000-600A	VRP-8800-600A	VRP-8800-611A
Electrical			
Capacity / (VA)	7040	88	00
Design topology	High-performance PWM voltage regulator operating at 20 kHz		
Voltage correction time	8 - 10 ms (½ line cycle)		
AC Input			
Input voltage range		220 V ± 20% (176 – 264 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating	40 A	50	A
AC input connector	Hard	-wired	NEMA 6-50P
Surge protection		urge protector protects bot ed equipment from surges	
AC Output			
Output voltage		230 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	32.0 A 40.0 A		0 A
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		DN-Bypass operation
Output connector	Hard-wired NEMA 6-50		NEMA 6-50R
Physical			
Dimension (W x H x D)	14.5" (368	mm) x 8.9" (226 mm) x 19.8"	(502 mm)
Weight	86 lbs (39 kg)	104.0 lbs	(47.2 kg)
Wall / floor mounting kit		MK-8000C	
Max wire size (hard-wired)	8 AWG	(10 mm²)	Not applicable
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range		6 relative humidity (non-cor	8,
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-4° to +140° F (-20° to +60°C)		
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ing pending)
Warranty			

\*Note: For continuous product improvement, specifications are subject to change without notice.

Two-year limited warranty on parts and labor

### **Technical Specifications\*** [220 V, 12320/14080/15840 VA]

Model	VRP-12300-600A	VRP-14100-600A	VRP-15800-600A
Electrical			
Capacity / (VA)	12320	14080	15840
Design topology	High-performance PWM voltage regulator operating at 20 kHz		
Voltage correction time		8 - 10 ms (½ line cycle)	
AC Input			
Input voltage range		220 V ± 20% (176 – 264 V)	
Frequency		50/60 Hz ± 5 %	
Input Circuit breaker rating	70 A	80 A	90 A
AC Input connector		Hard-wired	·
Surge protection		urge protector protects bot ed equipment from surges	
AC Output Output voltage		220 V ± 3%	
Power efficiency	070	6 typical (for load of 50 to 10	00%)
Maximum rated output current	56.0 A	64.0 A	72.0 A
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation		
Output connector	Red LED ON-Fault Hard-wired		
Physical			
Dimension (W x H x D)		mm) x 8.9" (226 mm) x 19.8' I	
Weight	116.0 lbs (52.6 kg)	116.0 lbs (52.6 kg)	118.0 lbs (53.5 kg)
Wall / floor mounting kit		MK-8000C	1
Max wire size (hard-wired)	6 AWG (16 mm²)	2 AWG (35 mm²)	2 AWG (35 mm²)
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C	)
Operating humidity range	10 to 90%	6 relative humidity (non-cor	ndensing)
Operating altitude range		00 meters (6,600 ft) above : ithout derating output pow	
Storage temperature range		-4° to +140° F (-20° to +60°C	
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ting pending)

#### Warranty

Two-year limited warranty on parts and labor

[220 V, 17600/33088 VA]

1

Model	VRP-17600-600A	VRP-33100-600A			
Electrical	· · · · · · · · · · · · · · · · · · ·				
Capacity / (VA)	17600	33088			
Design topology	High-performance PWM voltage	High-performance PWM voltage regulator operating at 20 kHz			
Voltage correction time	8 - 10 ms (½	2 line cycle)			
AC Input					
Input voltage range	220 V ± 20%	(176 – 264 V)			
Frequency	50/60 H	lz ± 5 %			
Input Circuit breaker rating	100 A	None			
AC Input connector	Hard-	wired			
Surge protection	Three-stage surge protector connected equipment				
AC Output	_				
Output voltage	220 V	± 3%			
Power efficiency	97% typical (for lo	ad of 50 to 100%)			
Maximum rated output current	80.0 A	150.4 A			
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault				
Output connector	Hard-wired				
Physical					
Dimension (W x H x D)	14.5" (368 mm) x 8.9" (226 mm) x 19.8" (502 mm)	24.0" (610 mm) x 24.6" (625 mm) > 24.0" (610 mm)			
Weight	127.0 lbs (57.6 kg)	355.0 lbs (161.0 kg)			
Wall / floor mounting kit	MK-8000C	Not applicable			
Max wire size (hard-wired)	2 AWG (35 mm²)	4/0 AWG (120 mm²)			
Environmental					
Operating temperature range	32° to +104° F	(0° to +40° C)			
Operating humidity range	10 to 90% relative humi	dity (non-condensing)			
Operating altitude range	0 to 2,000 meters (6,6 (without derating	,			
Storage temperature range	-4° to +140° F (-20° to +60°C)				
Safety					
	Designed to meet UL 60950 (UL/cUL listing pending)				

Two-year limited warranty on parts and labor

#### Model VRP-1800-700A VRP-1800-733A VRP-1800-755A VRP-1800-766A **Electrical** Capacity / (VA) 1840 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 - 10 ms (1/2 line cycle) **AC Input** Input voltage range 230 V ± 20% (184 – 276 V) 50/60 Hz ± 5 % Frequency Input circuit breaker rating 10 A AS/NZS 3112 10 A Hard-wired IEC 60320 C14 BS1363 Plua AC input connector Plug Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes **AC Output** Output voltage 230 V ± 3% **Power efficiency** 97% typical (for load of 50 to 100%) Maximum rated output current 8.0 A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault AS/NZS 3112 10 A **Output connector** Hard-wired IEC 60320 C13 BS1363 Socket Socket **Physical** Dimension (W x H x D) 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Weight 32 lbs (14.5 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) 8 AWG (10 mm<sup>2</sup>) Not applicable Environmental 32° to +104° F (0° to +40° C) **Operating temperature range** 10 to 90% relative humidity (non-condensing) **Operating humidity range** 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power) Storage temperature range -4° to +140° F (-20° to +60°C)

#### Safety

Agency approvals

Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

#### Two-year limited warranty on parts and labor

\*Note: For continuous product improvement, specifications are subject to change without notice.

[230 V, 1840 VA]

[230 V, 2760 VA]

Model	VRP-2800-700A	VRP-2800-711A	VRP-2800-722A	
Electrical				
Capacity / (VA)	2760			
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz	
Voltage correction time		8 - 10 ms (½ line cycle)		
AC Input				
Input voltage range		230 V ± 20% (184 – 276 V)		
Frequency		50/60 Hz ± 5 %		
Input circuit breaker rating		15 A		
AC input connector	Hard-wired	NEMA 6-15P	NEMA L6-15P	
Surge protection		urge protector protects both ed equipment from surges		
AC Output				
Output voltage		230 V ± 3%		
Power efficiency	97%	6 typical (for load of 50 to 10	D%)	
Maximum rated output current	12.0 A			
System status indicator	Green LED ON-Norm	nal operation - Amber LED C Red LED ON-Fault	DN-Bypass operation	
Output connector	Hard-wired NEMA 6-15R NEMA L6-15R			
Physical				
Dimension (W x H x D)	12" (305	mm) x 6.2" (158 mm) x 15" (3	81 mm)	
Weight		40 lbs (18.1 kg)		
Wall / floor mounting kit		MK-4000C		
Max wire size (hard-wired)	8 AWG (10 mm²)	Not app	licable	
Environmental				
Operating temperature range		32° to +104° F (0° to +40° C)		
Operating humidity range	10 to 90% relative humidity (non-condensing)			
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)			
Storage temperature range	-	-4° to +140° F (-20° to +60°C)		
Safety				
Agency approvals	Designed to	meet UL 60950 (UL/cUL listi	ing pending)	
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### Warranty

Two-year limited warranty on parts and labor

#### Model VRP-3700-700A VRP-3700-711A VRP-3700-722A VRP-3700-766A **Electrical** Capacity / (VA) 3680 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 - 10 ms (1/2 line cycle) **AC Input** Input voltage range 230 V ± 20% (184 – 276 V) 50/60 Hz ± 5 % Frequency Input circuit breaker rating 20 A AS/NZS 3112 20 A Hard-wired **NFMA 6-20P** NFMA | 6-20P AC input connector Plug Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes **AC Output** Output voltage 230 V ± 3% 97% typical (for load of 50 to 100%) **Power efficiency** Maximum rated output current 16.0 A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault AS/NZS 3112 20 A **Output connector** Hard-wired NEMA 6-20R NEMA L6-20R Socket **Physical** Dimension (W x H x D) 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Weight 47 lbs (21.3 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) Not applicable Environmental **Operating temperature range** 32° to +104° F (0° to +40° C) 10 to 90% relative humidity (non-condensing) **Operating humidity range** 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power)

#### Safety

Agency approvals

Storage temperature range

Designed to meet UL 60950 (UL/cUL listing pending)

-4° to +140° F (-20° to +60°C)

#### Warranty

#### Two-year limited warranty on parts and labor

**\*Note**: For continuous product improvement, specifications are subject to change without notice.

[230 V, 3680 VA]

#### Model VRP-5500-700A VRP-5500-711A VRP-5500-722A VRP-5500-766A **Electrical** Capacity / (VA) 5520 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 - 10 ms (1/2 line cycle) **AC Input** Input voltage range 230 V ± 20% (184 – 276 V) 50/60 Hz ± 5 % Frequency Input circuit breaker rating 30 A AS/NZS 3112 32 A Hard-wired **NEMA 6-30P** NFMA I 6-30P AC input connector Plug Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes **AC Output** Output voltage 230 V ± 3% 97% typical (for load of 50 to 100%) **Power efficiency** Maximum rated output current 24.0 A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault AS/NZS 3112 32 A **Output connector** Hard-wired NEMA 6-30R NEMA L6-30R Socket **Physical** Dimension (W x H x D) 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Weight 49.0 lbs (22.2 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) 8 AWG (10 mm<sup>2</sup>) Not applicable Environmental 32° to +104° F (0° to +40° C) **Operating temperature range** 10 to 90% relative humidity (non-condensing) **Operating humidity range** 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power) Storage temperature range -4° to +140° F (-20° to +60°C) Safety

#### Warranty

Agency approvals

#### Two-year limited warranty on parts and labor

**\*Note**: For continuous product improvement, specifications are subject to change without notice.

Designed to meet UL 60950 (UL/cUL listing pending)

[230 V, 5520 VA]

[230 V, 7360/9200 VA]

Model	VRP-7400-700A	VRP-9200-700A	VRP-9200-711A
Electrical			
Capacity / (VA)	7360	920	00
Design topology	High-performance PWM voltage regulator operating at 20 kHz		
Voltage correction time	8 - 10 ms (½ line cycle)		
AC Input			
Input voltage range		230 V ± 20% (184 – 276 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating	40 A	50	A
AC input connector	Hard-	wired	NEMA 6-50P
Surge protection	-	urge protector protects bot ed equipment from surges	
	Connect	ed equipment nom surges	a spikes
AC Output	I		
Output voltage	230 V ± 3%		
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	32.0 A 40.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector	Hard-wired NEMA 6-50R		
Physical			
Dimension (W x H x D)	14.5" (368 r	mm) x 8.9" (226 mm) x 19.8"	(502 mm)
Weight	86 lbs (39 kg)	104.0 lbs	(47.2 kg)
Wall / floor mounting kit		MK-8000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	8 AWG (10 mm²)	Not applicable
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	relative humidity (non-cor	idensing)
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range	-	4° to +140° F (-20° to +60°C	)
Safaty			
Safety Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ina pendina)
. Seriel abbretail			

### Warranty

Two-year limited warranty on parts and labor

### Technical Specifications\* [230 V, 14720/16560/18400 VA]

Model	VRP-14700-700A	VRP-16600-700A	VRP-18400-700A
Electrical			
Capacity / (VA)	14720	16560	18400
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz
Voltage correction time		8 - 10 ms (½ line cycle)	
AC Input			
Input voltage range		230 V ± 20% (184 – 276 V)	
Frequency		50/60 Hz ± 5 %	
Input Circuit breaker rating	80 A	90 A	100 A
AC Input connector		Hard-wired	
Surge protection		urge protector protects bot ed equipment from surges	
AC Output			
Output voltage	230 V ± 3%		
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	64.0 A	72.0 A	80.0 A
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault		
Output connector		Hard-wired	
Physical			
Dimension (W x H x D)	14.5" (368	mm) x 8.9" (226 mm) x 19.8"	(502 mm)
Weight	116.0 lbs (52.6 kg)	118.0 lbs (53.5 kg)	127 lbs (57.6 kg)
Wall / floor mounting kit		MK-8000C	
Max wire size (hard-wired)		2 AWG (35 mm²)	
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	relative humidity (non-cor	ndensing)
Operating altitude range		00 meters (6,600 ft) above s ithout derating output pow	
Storage temperature range	· · · · · · · · · · · · · · · · · · ·	-4° to +140° F (-20° to +60°C	)
Safety			
Agency approvals	Designed to	meet UL 60950 (UL/cUL list	ina pendina)

#### Warranty

Two-year limited warranty on parts and labor

[230 V, 34592 VA]

Model	VRP-34600-700A	
Electrical		
Capacity / (VA)	34592	
Design topology	High-performance PWM voltage regulator operating at 20 kHz	
Voltage correction time	8 - 10 ms (½ line cycle)	
AC Input		
Input voltage range	230 V ± 20% (184 – 276 V)	
Frequency	50/60 Hz ± 5 %	
Input Circuit breaker rating	None	
AC Input connector	Hard-wired	
Surge protection	Three-stage surge protector protects both the VRP and connected equipment from surges & spikes	
AC Output		
Output voltage	230 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)	
Maximum rated output current	150.4 A	
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault	
Output connector	Hard-wired	
Physical		
Dimension (W x H x D)	24.0" (610 mm) x 24.6" (625 mm) x 24.0" (610 mm)	
Weight	355.0 lbs (161.0 kg)	
Wall / floor mounting kit	Not applicable	
Max wire size (hard-wired)	4/0 AWG (120 mm²)	
Environmental		
Operating temperature range	32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90% relative humidity (non-condensing)	
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)	
Storage temperature range	-4° to +140° F (-20° to +60°C)	
Safety		
Jarcey		

Agency approvals

Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

Two-year limited warranty on parts and labor

### [240 V, 1920 VA]

Model	VRP-1900-800A	VRP-1900-833A	
Electrical			
Capacity / (VA)	1920		
Design topology	High-performance PWM voltag	e regulator operating at 20 kHz	
Voltage correction time	8 ms (½ l	ine cycle)	
AC Input			
Input voltage range	240 V ±20%	(192 – 288 V)	
Frequency	50/60 H	Hz ± 5 %	
Input circuit breaker rating	10	A	
AC input connector	Hard-wired	IEC 60320 C14	
Surge protection	Three-stage surge protector connected equipmen	r protects both the VRP and t from surges & spikes	
AC Output			
Output voltage	240 V ± 3%		
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	8.0	A	
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operat Red LED ON-Fault		
Output connector	Hard-wired	IEC 60320 C13	
Physical			
Dimension (W x H x D)	12" (305 mm) x 6.2" (15	58 mm) x 15" (381 mm)	
Weight	32 lbs (	14.5 kg)	
Wall / floor mounting kit	MK-4	-000C	
Max wire size (hard-wired)	8 AWG (10 mm²)	Not applicable	
Environmental			
Operating temperature range	32° to +104° F	(0° to +40° C)	
Operating humidity range	10 to 90% relative hum	idity (non-condensing)	
Operating altitude range		500 ft) above sea level g output power)	
Storage temperature range	-4° to +140° F	• • • •	
Safety			
Agency approvals	Designed to meet UL 6095	50 (UL/cUL listing pending)	

#### Warranty

Two-year limited warranty on parts and labor

#### Model VRP-2900-800A VRP-2900-811A VRP-2900-822A VRP-2900-833A **Electrical** Capacity / (VA) 2880 **Design topology** High-performance PWM voltage regulator operating at 20 kHz Voltage correction time 8 ms (1/2 line cycle) **AC Input** Input voltage range 240 V ± 20% (192 - 288 V) 50/60 Hz ± 5 % Frequency Input circuit breaker rating 15 A AC input connector Hard-wired **NEMA 6-15P** NEMA L6-15P IEC 60320 C20 Three-stage surge protector protects both the VRP and Surge protection connected equipment from surges & spikes **AC Output** Output voltage 240 V ± 3% **Power efficiency** 97% typical (for load of 50 to 100%) Maximum rated output current 12 O A Green LED ON-Normal operation - Amber LED ON-Bypass operation System status indicator Red LED ON-Fault **Output connector** Hard-wired **NEMA 6-15R** NEMA L6-15R IEC 60320 C19 Physical 12" (305 mm) x 6.2" (158 mm) x 15" (381 mm) Dimension (W x H x D) Weight 40 lbs (18.1 kg) Wall / floor mounting kit MK-4000C Max wire size (hard-wired) 8 AWG (10 mm<sup>2</sup>) Not applicable **Environmental Operating temperature range** 32° to +104° F (0° to +40° C) **Operating humidity range** 10 to 90% relative humidity (non-condensing) 0 to 2,000 meters (6,600 ft) above sea level **Operating altitude range** (without derating output power) -4° to +140° F (-20° to +60°C) Storage temperature range Safety Agency approvals Designed to meet UL 60950 (UL/cUL listing pending)

#### Warranty

### Two-year limited warranty on parts and labor

\*Note: For continuous product improvement, specifications are subject to change without notice.

### [240 V, 2880 VA]

[240 V, 3840 VA]

Model	VRP-3800-800A	VRP-3800-811A	VRP-3800-822A
Electrical			
Capacity / (VA)	3840		
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz
Voltage correction time		8 ms (½ line cycle)	
AC Input			
Input voltage range		240V ± 20% (192 – 288 V)	
Frequency		50/60 Hz ± 5 %	
Input circuit breaker rating		20 A	
AC input connector	Hard-wired	NEMA 6-20P	NEMA L6-20P
Surge protection		irge protector protects both ed equipment from surges	
AC Output			
Output voltage	240 V ± 3%		
Power efficiency	97% typical (for load of 50 to 100%)		
Maximum rated output current	16.0 A		
System status indicator	Green LED ON-Norm	al operation - Amber LED ( Red LED ON-Fault	DN-Bypass operation
Output connector	Hard-wired	NEMA 6-20P	NEMA L6-20P
Physical			
Dimension (W x H x D)	12" (305 mm) x 6.2" (158 mm) x 15" (381 mm)		
Weight		47 lbs (21.3 kg)	
Wall / floor mounting kit		MK-4000C	
Max wire size (hard-wired)	Not applicable		
Environmental			
Operating temperature range		32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90%	relative humidity (non-con	densing)
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)		
Storage temperature range		4° to +140° F (-20° to +60°C)	
Safety			
Agency approvals	Designed to r	meet UL 60950 (UL/cUL list	ing pending)

#### Warranty

Two-year limited warranty on parts and labor

[240 V, 5760 VA]

Model	VRP-5800-800A	VRP-5800-811A	VRP-5800-822A	
Electrical				
Capacity / (VA)		5760		
Design topology	High-performance	e PWM voltage regulator op	perating at 20 kHz	
Voltage correction time		8 ms (½ line cycle)		
AC Input				
Input voltage range		240 V ± 20% (192 – 288 V)		
Frequency		50/60 Hz ± 5 %		
Input circuit breaker rating		30 A		
AC input connector	Hard-wired	NEMA 6-30P	NEMA L6-30P	
Surge protection	-	irge protector protects bot ed equipment from surges		
AC Output				
Output voltage	240 V ± 3%			
Power efficiency	97% typical (for load of 50 to 100%)			
Maximum rated output current	24.0 A			
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault			
Output connector	Hard-wired	NEMA 6-30R	NEMA L6-30R	
Physical				
Dimension (W x H x D)	12" (305	mm) x 6.2" (158 mm) x 15" (3	381 mm)	
Weight		49 lbs (22.2 kg)		
Wall / floor mounting kit		MK-4000C		
Max wire size (hard-wired)	8 AWG (10 mm²)	Not app	blicable	
Environmental				
Operating temperature range	:	32° to +104° F (0° to +40° C)		
Operating humidity range	10 to 90% relative humidity (non-condensing)			
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)			
Storage temperature range	-4° to +140° F (-20° to +60°C)			
Safety				
Agency approvals	Designed to r	meet UL 60950 (UL/cUL list	ing pending)	
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### Warranty

Two-year limited warranty on parts and labor

[240 V, 7680/9600 VA]

Model	VRP-7700-800A	VRP-9600-800A	VRP-9600-811A	
Electrical				
Capacity / (VA)	7680	7680 9600		
Design topology	High-performance PWM voltage regulator operating at 20 kHz			
Voltage correction time	8 ms (½ line cycle)			
AC Input				
Input voltage range	240 V ± 20% (192 – 288 V)			
Frequency	50/60 Hz ± 5 %			
Input circuit breaker rating	40 A	50 A		
AC input connector	Hard-	wired	NEMA 6-50P	
Surge protection	Three-stage surge protector protects both the VRP and connected equipment from surges & spikes			
AC Output				
Output voltage	240 V ± 3%			
Power efficiency	97% typical (for load of 50 to 100%)			
Maximum rated output current	32.0 A	40.0 A		
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault			
Output connector	Hard-wired		NEMA 6-50R	
Physical				
Dimension (W x H x D)	14.5" (368 mm) x 8.9" (226 mm) x 19.8" (502 mm)			
Weight	86 lbs (39.0 kg)	104 lbs (47.2 kg)		
Wall / floor mounting kit	MK-8000C			
Max wire size (hard-wired)	8 AWG (10 mm²)	8 AWG (10 mm²)	Not applicable	
Environmental				
Operating temperature range	32° to +104° F (0° to +40° C)			
Operating humidity range	10 to 90% relative humidity (non-condensing)			
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)			
Storage temperature range	-4° to +140° F (-20° to +60°C)			
Safaty				
Safety Agency approvals	Designed to meet UL 60950 (UL/cUL listing pending)			
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### Warranty

Two-year limited warranty on parts and labor

### Technical Specifications\* [240 V, 15360/17280/19200 VA]

Model	VRP-15400-500A	VRP-17300-500A	VRP-19200-800A	
Electrical		· · · · · ·		
Capacity / (VA)	15360	17280	19200	
Design topology	High-performance PWM voltage regulator operating at 20 kHz			
Voltage correction time	8 ms (½ line cycle)			
AC Input				
Input voltage range	240 V ± 20% (192 – 288 V)			
Frequency	50/60 Hz ± 5 %			
Input circuit breaker rating	80 A	90 A	100 A	
AC input connector	Hard-wired			
Surge protection	Three-stage surge protector protects both the VRP and connected equipment from surges & spikes			
	connected equipment from surges & spikes			
AC Output				
Output voltage	240 V ± 3%			
Power efficiency	97% typical (for load of 50 to 100%)			
Maximum rated output current	64.0 A	72.0 A	80.0 A	
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault			
Output connector		Hard-wired		
Physical				
Dimension (W x H x D)	14.5" (368 mm) x 8.9" (226 mm) x 19.8" (502 mm)			
Weight	116 lbs (52.6 kg)	118 lbs (53.5 kg)	127 lbs (57.6 kg)	
Wall / floor mounting kit		MK-8000C		
Max wire size (hard-wired)	2 AWG (35 mm²)			
Environmental Operating temperature range		729 to ±10/9 E (09 to ±/09 C)		
	32° to +104° F (0° to +40° C) 10 to 90% relative humidity (non-condensing)			
Operating humidity range		3 (	61	
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)			
Storage temperature range	-4° to +140° F (-20° to +60°C)			
Safety	<b>.</b>		·	
Agency approvals	Designed to meet UL 60950 (UL/cUL listing pending)			

#### Warranty

Two-year limited warranty on parts and labor

[240 V, 36096 VA]

Model	VRP-36100-800A	
Electrical		
Capacity / (VA)	36096	
Design topology	High-performance PWM voltage regulator operating at 20 kHz	
Voltage correction time	8 ms (½ line cycle)	
AC Input		
Input voltage range	240 V ± 20% (192 – 288 V)	
Frequency	50/60 Hz ± 5 %	
Input circuit breaker rating	None	
AC input connector	Hard-wired	
Surge protection	Three-stage surge protector protects both the VRP and connected equipment from surges & spikes	
AC Output		
Output voltage	240 V ± 3%	
Power efficiency	97% typical (for load of 50 to 100%)	
Maximum rated output current	150.4 A	
System status indicator	Green LED ON-Normal operation - Amber LED ON-Bypass operation Red LED ON-Fault	
Output connector	Hard-wired	
Physical		
Dimension (W x H x D)	24.0" (610 mm) x 24.6" (625 mm) x 24.0" (610 mm)	
Weight	355 lbs (161.0 kg)	
Wall / floor mounting kit	Not applicable	
Max wire size (hard-wired)	4/0 AWG (120 mm²)	
Environmental		
Operating temperature range	32° to +104° F (0° to +40° C)	
Operating humidity range	10 to 90% relative humidity (non-condensing)	
Operating altitude range	0 to 2,000 meters (6,600 ft) above sea level (without derating output power)	
Storage temperature range	-4° to +140° F (-20° to +60°C)	
Safety		
Agency approvals	Designed to meet UL 60950 (UL/cUL listing pending)	

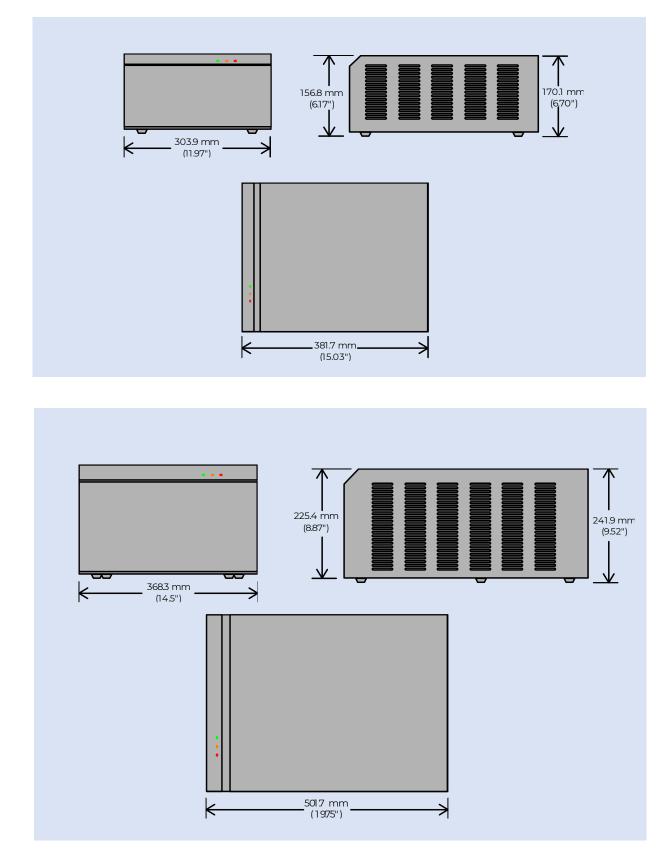
#### Warranty

Two-year limited warranty on parts and labor

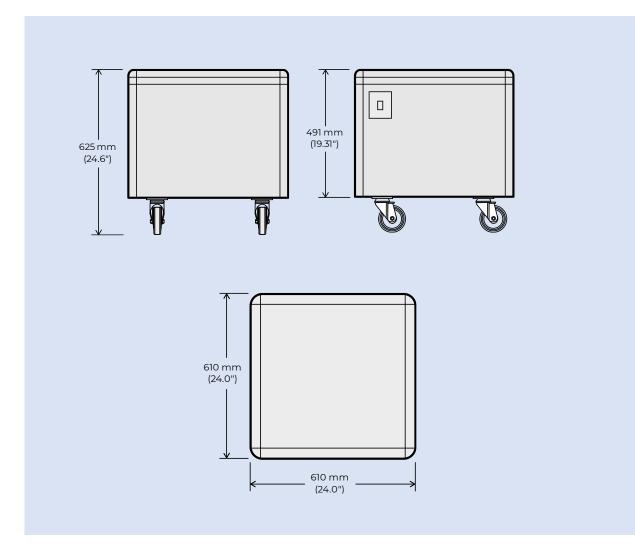
Table A: Connector types

		•	
NEMA 5-15	NEMA 5-20	<b>PJ</b> NEMA 5-30	NEMA 5-50
<b>NEMA 6-15</b>	NEMA 6-20	NEMA 6-30	NEMA 6-50
NEMA   5.15			
•••		NEMA LO-30	
	3112 20A	3112.32A	
	NEMA 6-15 NEMA L5-15 NEMA L5-15 NEMA L6-15	NEMA 6-15       Image: Constraint of the sector of the secto	Image: NEMA 6-15       Image: NEMA 6-20       Image: NEMA 6-30         Image: NEMA L5-15       Image: NEMA L5-20       Image: NEMA L5-30         Image: NEMA L5-15       Image: NEMA L5-20       Image: NEMA L5-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-20       Image: NEMA L6-30         Image: NEMA L6-15       Image: NEMA L6-30       Image: NEMA L6-30         Image: NEMA L6-30       Image: NEMA L6-30       Image: NEMA L6-30         Image: NEMA L6-30       Image: NEMA L6-30       Image: NEMA L6-30         Image: NEMA L6-30       Image: NEMA L6-30       Image: NEMA L6-30         Image: NEMA L6-30       Image: NEMA L6-30       Image: NEMA L6-30         Image: NEMA L6-30       Image: NEMA L6-30       Image: NEMA L6-30         Image: NEMA

## Dimensions



### Dimensions



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