



# ***SPCR Series***

Single Phase, On-Line Double Conversion, Rack Mount

**6kVA - 10kVA**

**5 & 10 Year Warranty Guarantee**

# ORE POWER SOLUTIONS

Single Phase 6 & 10kVA Rack Mount

## SPCR Series

Single Phase, On-Line Double Conversion, Rack Mount

### SYSTEM HIGHLIGHTS

- Power range and runtime scalability
- Full-time Digital Signal Processor Control
- LCD/LED mimic panel
- Easy-to-set user personalization
- Up to 98% energy efficiency
- Continuous power conditioning, even when not running on battery
- Smooth, uninterrupted switching from utility power to battery mode, and back again
- Wide fluctuations in utility power are handled without going to the batteries
- Parallel up to three units for added capacity or redundancy, using a simple connection on the rear panel without additional cabinet
- Unlike most units this size, the SPCR series has a very low rate of added reflected harmonics, which protects the integrity of your entire electrical system



### OUR WARRANTY

ORE Power is proud to offer a standard **5 year** warranty on all of our single phase products with the option to extend to **10 years**.

\*All units must be registered on our website to qualify for 5 year warranty. Visit [www.orepowersolutions.com/register](http://www.orepowersolutions.com/register) for more information

### Beyond Our Equipment

ORE Power Solutions partners with a network of highly trained and motivated customer support engineers and technicians who can provide professional services and care throughout the life of your equipment. **Services include: Start-Ups, Preventative Maintenance, Spare Parts, Battery Maintenance, On-Site Training, Time & Material Services & more!**

# ORE POWER SOLUTIONS

## Single Phase 6 & 10kVA Rack Mount

# SPCR Series

## 6kVA Technical Specifications

Model Number	kVA/kW	Input VAC	Output VAC	***Dimensions H" x W" x D" / [mm]	***Wt. lbs. / (kg)
<b>UL1778/CE/cUL</b>					
*SPCR-60021	6kVA /5.4kW	208	208/120	15.45" x 17.24" x 26.64" (9U) [392.4 x 438.0 x 676.6]	323 / (147)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
SPCR-ISO-6K	Transformer	208/120	208/120	5.15" x 17.24" x 24.81" (3U) [130.8 x 438.0 x 630.2]	148 / (67)
<b>240V</b>					
*SPCR-60021-240	6kVA /5.4kW	240	240/120	15.45" x 17.24" x 26.64" (9U) [392.4 x 438.0 x 676.6]	323 / (147)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
SPCR-ISO-6K	Transformer	240/120	240/120	5.15" x 17.24" x 24.81" (3U) [130.8 x 438.0 x 630.2]	148 / (67)
<b>208V</b>					
**SPCR-60022	6kVA/5.4kW	208	208	10.30" x 17.24" x 26.64" (6U) [261.6 x 438.0 x 676.6]	175 / (80)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
<b>240V</b>					
**SPCR-60022-240	6kVA/5.4kW	240	240	10.30" x 17.24" x 26.64" (6U) [261.6 x 438.0 x 676.6]	175 / (80)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCRBAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
<b>PARALLEL</b>					
*SPCR-60021-P	6kVA/5.4kW	208	208/120	15.45" x 17.24" x 26.64" (9U) [392.4 x 438.0 x 676.6]	323 / (147)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
SPCR-ISO-6K	Transformer	208/120	208/120	5.15" x 17.24" x 24.81" (3U) [130.8 x 438.0 x 630.2]	148 / (67)
<b>240V</b>					
*SPCR-60021-P-240	6kVA /5.4kW	240	240/120	15.45" x 17.24" x 26.64" (9U) [392.4 x 438.0 x 676.6]	323 / (147)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
SPCR-ISO-6K	Transformer	240/120	240/120	5.15" x 17.24" x 24.81" (3U) [130.8 x 438.0 x 630.2]	148 / (67)
<b>208V</b>					
**SPCR-60022-P	6kVA/5.4kW	208	208	10.30" x 17.24" x 26.64" (6U) [261.6 x 438.0 x 676.6]	175 / (80)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)
<b>240V</b>					
**SPCR-60022-P-240	6kVA/5.4kW	240	240	10.30" x 17.24" x 26.64" (6U) [261.6 x 438.0 x 676.6]	175 / (80)
SPCR-ELE-6K	Electronics	N/A	N/A	5.15" x 17.24" x 26.64" (3U) [130.8 x 438.0 x 676.6]	37 / (17)
SPCR-BAT-6K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (3U) [130.8 x 438.0 x 625.6]	138 / (63)

1. \* Model includes: (1) Electronics Module, (1) Battery Pack and (1) Transformer Module

2. \*\* Model includes: (1) Electronics Module and (1) Battery Pack

3. "P" Models include Parallel Card and Cable

\*\*\*Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

### SPCR Series, 6kVA Rack Mount - Extended Battery Run Times (in minutes)

UPS Rating	Part Number	Additional Battery Packs	25% Load	50% Load	75% Load	100% Load
6 kVA	60021 – ISO	0	38.3	17.4	12.7	8.6
	60021 + SPCR-BAT-6K	1	89.2	41.4	30.8	21.7
	60021 + SPCR-BAT-6K	2	145.6	68	50.7	36
	60021 + SPCR-BAT-6K	3	205.4	96.5	72.1	51.3
	60021 + SPCR-BAT-6K	4	267.5	126.3	94.5	67.4
	60022 – Non-ISO	0	44.6	21.7	13.2	9
	60022 + SPCR-BAT-6K	1	103.8	51.3	32	22.7
	60022 + SPCR-BAT-6K	2	169.1	84	52.8	37.6
	60022 + SPCR-BAT-6K	3	238.2	119	74.9	53.5
	60022 + SPCR-BAT-6K	4	309.6	155.7	98.2	70.3

Note: 1. Battery times are based on new batteries +/- 5%.  
2. Consult Factory for longer run times.

# ORE POWER SOLUTIONS

## Single Phase 6 & 10kVA Rack Mount

# SPCR Series

## 10kVA Technical Specifications

Model Number	kVA/kW	Input VAC	Output VAC	***Dimensions H" x W" x D" / [mm]	Wt lbs. / (kg)
<b>UL1778/CE/cUL</b>					
*SPCR-11021	10kVA /9kW	208	208/120	15.45" x 17.24" x 30.77" (9U) [392.4 x 438.0 x 781.6]	380 / (173)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
SPCR-BAT-10K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (9U) [130.8 x 438.0 x 625.6]	138 / (63)
SPCR-ISO-10K	Transformer	208/120	208/120	5.15" x 17.24" x 27.98" (3U) [130.8 x 438.0 x 710.2]	198 / (90)
<b>UL1778/CE/cUL</b>					
*SPCR-11021-240	10kVA /9kW	240	240/120	15.45" x 17.24" x 30.77" (9U) [392.4 x 438.0 x 781.6]	380 / (173)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
SPCR-BAT-10K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (9U) [130.8 x 438.0 x 625.6]	138 / (63)
SPCR-ISO-10K	Transformer	240/120	240/120	5.15" x 17.24" x 27.98" (3U) [130.8 x 438.0 x 710.2]	198 / (90)
<b>UL1778/CE/cUL</b>					
**SPCR-11022	10kVA/9kW	208	208	10.30" x 17.24" x 30.77" (6U) [261.6 x 438.0 x 781.6]	182 / (83)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
SPCR-BAT-10K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (9U) [130.8 x 438.0 x 625.6]	138 / (63)
<b>UL1778/CE/cUL</b>					
**SPCR-11022-240	10kVA/9kW	240	240	10.30" x 17.24" x 30.77" (6U) [261.6 x 438.0 x 781.6]	182 / (83)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
SPCR-BAT-10K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (9U) [130.8 x 438.0 x 625.6]	138 / (63)
<b>PARALLEL</b>					
*SPCR-11021-P	10kVA/9kW	208	208/120	15.45" x 17.24" x 30.77" (9U) [392.4 x 438.0 x 781.6]	380 / (173)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
SPCR-BAT-10K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (9U) [130.8 x 438.0 x 625.6]	138 / (63)
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<b>UL1778/CE/cUL</b>					
*SPCR-11021-P-240	10kVA/9kW	240	240/120	15.45" x 17.24" x 30.77" (9U) [392.4 x 438.0 x 781.6]	380 / (173)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
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**SPCR-11022-P-240	10kVA/9kW	240	240	10.30" x 17.24" x 30.77" (6U) [261.6 x 438.0 x 781.6]	182 / (83)
SPCR-ELE-10K	Electronics	N/A	N/A	5.15" x 17.24" x 30.77" (9U) [130.8 x 438.0 x 781.6]	44 / (20)
SPCR-BAT-10K	Battery Pack	N/A	N/A	5.15" x 17.24" x 24.63" (9U) [130.8 x 438.0 x 625.6]	138 / (63)

- \* Model includes: (1) Electronics Module, (1) Battery Pack and (1) Transformer Module
- \*\* Model includes: (1) Electronics Module and (1) Battery Pack
- \*P\* Models include Parallel Card and Cable

\*\*\*Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

### SPCR Series, 6kVA Rack Mount - Extended Battery Run Times (In minutes)

UPS Rating	Part Number	Qty. of Additional Battery Packs	25% Load	50% Load	75% Load	100% Load
10 kVA	11021 – Non-ISO	0	20.2	8.7	6	3.6
	11021 + SCV-BAT-10K	1	47.9	21.9	16.1	11.1
	11021 + SCV-BAT-10K	2	78.5	36.4	27	19
	11021 + SCV-BAT-10K	3	111.3	51.8	38.6	27.3
	11021 + SCV-BAT-10K	4	145.6	68	50.7	36
	11022 – ISO	0	22.2	9.3	6.5	4
	11022 + SCV-BAT-10K	1	52.3	23.2	17.1	11.9
	11022 + SCV-BAT-10K	2	85.8	38.5	28.6	20.2
	11022 + SCV-BAT-10K	3	121.5	54.8	40.9	29.1
11022 + SCV-BAT-10K	4	158.9	71.9	53.7	38.3	

- Note: 1. Battery times are based on new batteries +/- 5%.  
2. Consult Factory for longer run times.

# ORE POWER SOLUTIONS

## Single Phase 6 & 10kVA Rack Mount

# SPCR Series

## Rack Models Technical Specifications

SPECIFICATION				
MODEL	SPCR-60022 & (P)	SPCR-60021 & (P)	SPCR-11022 & (P)	SCV-11021 & (P)
PHASE	Single phase with ground			
CAPACITY	6000 VA / 5400 W		10000 VA / 9000 W	
<b>INPUT</b>				
Nominal Voltage	200/208/220/230/240 VAC			
Voltage Range	176 -300 VAC @ 100% load			
Frequency Range	46-54 Hz or 56-64 Hz			
Power Factor	0.99 @ 100% load			
<b>OUTPUT</b>				
Nominal Voltage	208/220/ 230/240 VAC	208/120 VAC or 240/120 VAC	208/220/ 230/240 VAC	208/120 VAC or 240/120 VAC
AC Voltage Regulation	± 1%			
Frequency Range (Sync. Range)	46-54 Hz or 56-64 Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	2 % THD (Linear Load) 4 % THD (Non-linear Load)	3 % THD (Linear Load) 6 % THD (Non-linear Load)	2 % THD (Linear Load) 4 % THD (Non-linear)	3 % THD (Linear Load) 6 % THD (Non-linear)
Transfer Time	0ms			
Waveform (All Modes)	Pure Sinewave			
<b>EFFICIENCY</b>				
Line Mode	90%	84%	90%	84%
Battery Mode	88%	83%	88%	83%
ECO Mode	96%	87%	96%	87%
<b>BATTERY</b>				
Nominal Voltage	240 VDC			
Battery Type	VRLA, 12 V / 9 AH		VRLA, 12 V / 9 AH	
Numbers	20		20	
Typical Recharge Time	7 hours recover to 90% capacity		9 hours recover to 90% capacity	
Float Charging Voltage	273 VDC			
Charge Current (max.)	4 Amps			
Float Charging Voltage	273 VDC			
<b>INDICATORS/ALARMS</b>				
LCD Panel	UPS status, Load level, Battery level, Input / Output voltage, Discharge timer, and Fault conditions			
Audible Alarms	Battery Mode, Low Battery, Overload, Fault			
<b>ENVIRONMENT</b>				
Operating	32°F (0°C) to 104°F (40°C)			
Humidity	0-95 % RH @ 0- 40°C (non-condensing)			
Storage	-13°F (25°C) to 140°F (60°C) <b>ELECTRONICS</b> -13°F (25°C) to 104°F (40°C) <b>BATTERIES (REFRESH Charge @ 3 months)</b>			
Noise Level	Less than 58dBA @ 1 Meter		Less than 60dBA @ 1 Meter	
<b>AGENCY LISTING</b>				
UL1778, CE, cUL				
<b>COMMUNICATIONS</b>				
Smart RS-232/USB Port	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, MAC			
<b>OPTIONS</b>				
SNMP Card	SNMP/ Web Browser capability			
EMD	SNMP support device for sensing temperature, humidity and the presence of water. Options modules for smoke and dry contact detection available.			
MODBUS Card	Provides communication with PCs through MODBUS protocol			
CONTACT Card (AS/400)	Provides contact closures for remote monitoring of the UPS			
Rack/Tower Enclosure	Complete system in enclosure with casters for mobility			



**GET IN TOUCH**

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