



UNICap SRT/PFU Line-Up



Model Name	Out kVA	Phase Ø	In/Out Volt V	Efficiency %	BackUp Time (Sec.)	Load	Dimension WxDxH cm	Weight Kg***
					100% 75% 50% 25%			
UNICap 9395 F47 SRT/PFU	550	3/3	480/400/208/200*	>94	>0.5 >1.4 >3.1 >9	188x88x190	1,430	
UNICap 9395 F47 SRT/PFU	275	3/3	480/400/208/200*	>94	>1 >2.2 >4.5 >11	135x88x188	830	
UNICap 93PM F47 SRT/PFU	200	3/3	480/400/208/200*	>93	>1 >2 >4 >10	90x81x187	457	
UNICap 93PM F47 SRT/PFU	150	3/3	480/400/208/200*	>93	>1 >2.2 >4 >10.5	90x81x187	457	
UNICap 93PM F47 SRT/PFU	100	3/3	480/400/208/200*	>93	>1.5 >3 >5.5 >13	90x81x187	283	
UNICap 93PM F47 SRT/PFU	50	3/3	480/400/208/200*	>96	>1.5 >3 >5.5 >13	90x81x187	288	
UNICap 93PM F47 SRT/PFU	30	3/3	480/400/208/200*	>96	>1 >1.6 >2.9 >7	90x81x187	288	
UNICap 9355 Semi 2 - F47	45	3/3	480/400/208/200*	>90	>1.5 >2.7 >4.5 >10	108x76x138**	555	
UNICap 9355 Semi 2 - F47	30	3/3	480/400/208/200*	>90	>1.5 >2.9 >5 >11.5	77x76x138**	370	
UNICap Semi 2 - F47	15	3/3	480/400/208/200*	>90	>1 >2.9 >5.5 >13	30.5x82x138**	185	
UNICap 9355 Semi 2 - F47	10	3/3	480/400/208/200*	>90	>1.5 >3.5 >6.5 >15.5	30.5x82x138**	185	
UNICap 9PX F47 SRT/PFU	11	3/1	240/230/208/200	>94	>1.5 >1.8 >3.5 >10	44x70x26	30	
UNICap 9PX F47 SRT/PFU	8	3/1	240/230/208/200	>94	>1.5 >2.6 >5 >12	44x70x26	30	
UNICap 9PX F47 SRT/PFU	6	1	230/200/115/100	>94	>1.5 >2.3 >5.5 >15	44x70x13	20	
UNICap 95X F47 SRT/PFU	1.5	1	230/115/100	>90	>2.5 >4 >8 >21	16x44x25	18	
UNICap 95X F47 SRT/PFU	1	1	230/115/100	>90	>2.5 >2.5 >5 >12	16x44x25	15	

* Input transformer
 ** Without input transformer @ 208V Input H=94 cm
 *** See manual for final spec.
 Product specifications are subject to change without prior notice



UNICap Semi 2 - F47 SRT/PFU

Model name	UNICap Semi 2 - F47
Capacity	15kVA / 12KW
MTBF	150,000hr
Sizes	305 x 702 x 830
	305 x 702 x 1370
Weight	168 Kg 270 Kg
Stored Temp range	-25 to +55°C
Temp range in use	+10 to +40°C, max
Attitude in use	3,000 m (9843ft) max
Humidity	5 to 95%
Protect level	IP 20
Noise level(in 1M)	56 dBA
Standard voltage	3 x 480 V, (409-528 V) 3 x 400 V, (339-438 V) 3 x 200 V, (170-219 V) 3 x 208 V, (177-228 V)
Standard frequency	50 - 60 Hz, (45-65 Hz)
Standard current	48 A (at 3 phases input)
Input Volt. distortion	< 5% THD
Input power ratio	> 0.99 (at full loading)
Input phase	3 phase delta wiring(208V) with trans 3 phase star wiring(400V) without trans
Waveform (normal mode)	Sin wave
(backup mode)	Sin wave
Normal/backup Switching time	No power flicker
Backup/normal Switching time	No power flicker
Output Volt. fluctuation	±1% static, phase to neutral ±2% static, phase to neutral 5% transitional response 0 =>100% at load sudden change Res. Time <1 cycle
Output frequency	60 Hz or 50 Hz
Output Volt. distortion	<2%THD resistance load <5%THD capacitance load
STD Output volt.	208/120 VAC, 3PH +N
Uptime	90%
Heat value BTU/hr(kg-cal/hr)	5122 (1290)
Synchronizing Frequency range	±2 (default), ±0.5, or ±1 Hz with slew rate 1 Hz/s (default)
Backup time	>1 sec.(at full load)
Backup type	Ultracapacitor
Byapss switching time	No power flicker

Spec. can be changed without notice in advance.



Unirom Electronics Ltd, a leading marketing and engineering supplier to the power supply market, was established in 1996 in Moshav Nahalal, Israel. In 2018 the company relocated to Tzur Igal. Unirom customizes and optimizes solutions for customers based on high quality EATON products.
<http://www.unirom.co.il/>

Eaton is a world technology leader in diversified power management within various industries such as electrical power management, gearbox etc. having more than 60,000 employees WW. EATON has a majority market share of large type UPS throughout the world.
<http://www.eaton.com/>

EATON
Certifications:
 Safety Certifications: IEC 62040-1-1, IEC 60950, EN 62040-1-1, UL 508A
 UL 1778, Semi S2 - F47, UL MH29977 (Unirom)
 EMC Compliance: EN 50091-2 Class A
 Quality: ISO 9001, 2000 and ISO 14001:1996
 Marking: CE, UL, CSA
 Powerware is Eaton Power Quality Corporation
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Power Dip Protection Systems

Environmentally-friendly UNICap SRT Series
 سلسلة UNICap SRT صديق للبيئة -



- Green technology
- Full lineup (From 1 kVA up to 10 MW)
- Long lifetime (10 years)
- High efficiency
- Low maintenance cost
- Ultracapacitors EDLC

- تكنولوجيا صديقة للبيئة
- مجموعة كاملة (من 1kVA حتى 10 MW)
- منتج طويل الأمد (10 سنوات)
- كفاءة عالية
- منخفض الصيانة
- مكثف كهربائي فائق



UNICap 95X F47 SRT/PFU UNICap 9PX F47 SRT/PFU UNICap 9355 F47 SRT/PFU UNICap 93PM F47 SRT/PFU UNICap 9395 F47 SRT/PFU
 UNICap Semi 2 - F47 SRT/PFU



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UNICap SRT Series

The UNICap SRT has been developed based on the worldwide known Eaton (US) UPS which complies with SEMI F47 power sag standards. It eliminates batteries by implementing EDLCs (Electric Double Layers Capacitors) which improves reliability while decreasing maintenance requirements.

The UNICap SRT series provides instantaneous backup power without break or flicker through an online inverter system.

Main Features:

- **Environmental Friendly:** Elimination of batteries reduces chemical discharge to the environment (typical battery replacement every 3 years in standard UPS), reduction of gases which occur during battery use.
- **Full-line up series:** 18 basic products (loads from 1 - 550 kVA), input power 100 - 230 V (single-phase), 200-480 V (3 phase). Unicap Semi 2-F47 15kVA modules expandable to 45 kVA).
- **Backup time:** Provides full power backup at the time of power glitch as specified for each model.
- **High quality of output:** wave distortion of output current is less than 5%. The voltage stabilizer provides control voltage within +/- 1 % range between -15% to +10% of voltage fluctuation.
- **Standard compliance:** SEMI-F47, UL



Terms Explanation:

SAG - Short voltage fluctuation which may cause power supply drop of 10 - 90%. Often generates surge and phase shifts.

Surge - Momentarily abnormal voltage.

Voltage fluctuation - deviation of incoming voltage from the utility.

SEMI F47 - Specification for semiconductor processing equipment voltage sag immunity.

UNICap SRT series applies an online inverter operating system which protects the equipment and its stored data from fluctuating input power and flicker. Reduces production down time and product loss in factory operation.

UNICap SRT series prevents machine stoppage with high speed reaction (within 1 cycle response time) under power flicker or momentary voltage drop.

UNICap SRT series supplies stable power to targeted equipment for eliminating sag and surge or power quality issues. An online monitoring system along with EDLC power source guarantees reliable equipment operation.

EMO
Emergency
Machine
Off

Inverter
Controller
UPS Engine

Ultra
Capacitor
Module
(one or
two units)

Transformer
(Δ in-Y out)

UNICap
Semi 2 - F47 SRT/PFU

