

UNIROM ELECTRONICS

Quality power solutions



Systems for SEMI 2 F47

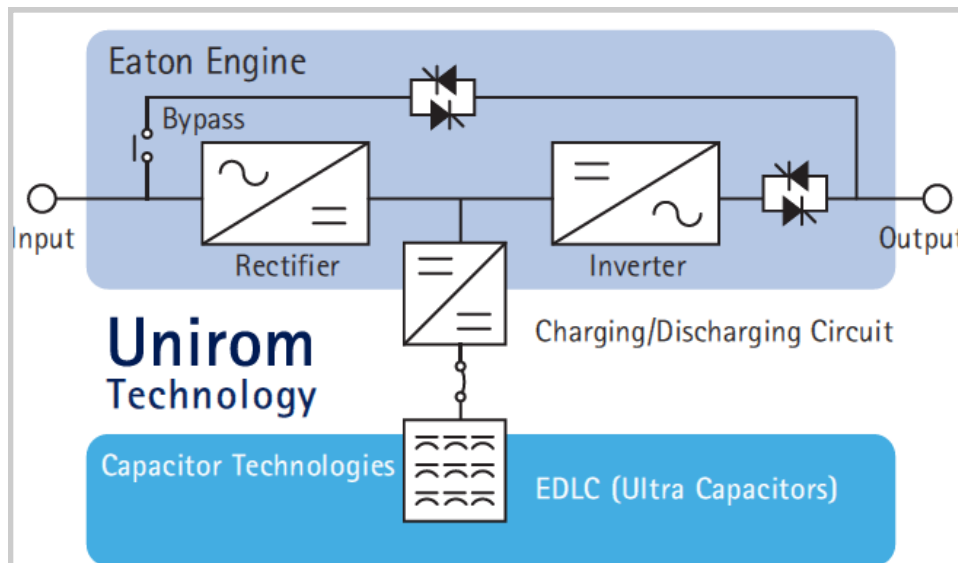


Unirom Electronics

THE TECHNOLOGY

Unicap Sag Ride Through (SRT) systems are power conditioning devices utilizing ultracapacitors as the energy storage buffer. The systems have been developed in participation with EATON, the worldwide known UPS system, to comply with SEMI SAG standards. The UPS battery has been replaced with electric double layer capacitors (EDLC). Semiconductor standards such as SEMI 2 F-47 and vaccine are satisfied with environmentally friendly, battery-less energy storage. The elimination of batteries also reduces the preventative maintenance, battery disposal, and general system operating costs.

The Unicap SRT sustains steady power, eliminating power flicker or instant voltage drop using an online inverter system. It supports higher productivity and quality improvement in the operation by this clean power supply.



The Unicap SRT systems provide the following:

Clean: Battery-less means no battery replacements (typical battery replacement is at least every 3 years), reducing chemical and material disposal. The EDLC also does not discharge gases during normal operation.

Full-line series: 18 types of products (1~550kVA) with inputs ranging from 100~230V (single-phase) and 200 ~ 480V (3 phase).

Backup time: provides full load power backup up to a few seconds at the time of power glitch.

High output quality:

Wave distortion of output current is less than 5%.

Voltage stabilization maintained within +/- 1% over -15% to +10% of voltage fluctuation.

Configured as in-line topology



AVAILABLE PRODUCTS

Model	Output KVA	Phase	Voltage In/out	Back up time (sec)		Dimension w x d x h (mm)	Weight (kg)
				Full load	Half load		
9130 SRT	1	1	230 115/100	2	5	438 x 450 x 86.5	15
	1.5			2.5	8		
	3			1	5.5		20
9XXX SRT	5	1	240/230	1	5	722 x 440 x 130	47.5
	6		208/200	1	3.5		
9355 SRT	8	3	480/400 208/200	1.5	6.5	305 x 702 x 1370	270
	10			1	4.5		
	15			1.5	6.5		
	20			1.5	5.5	494 x 762 x 1684	185
	30			1.5	5		
	40			1.5	4.5		
9390 SRT	60	3	480/400 208/200	1	2.9	519 x 804 x 1879	313
	80			1.5	5.5		
	100			1.5	5.5	944 x 804 x 1879	430
	120			1	4		
	160			1	4		
9395 SRT	225	3	480/400	1	4.5	1350 x 880 x 1880	830
	550		208/200	0.5	3.1	1880 x 880 x 1900	1430





Certifications:

Safety Certifications: IEC 62040-1-1, IEC 60950,
EN 62040-1-1
UL 1778, Semi S2, UL MH29977 (Unirom)
EMC Compliance: EN 50091-2 Class A
Quality: ISO 9001, 2000 and ISO 14001:1996
Marking: CE, UL, CSA

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