

M5628UC Ultracapacitor Solutions



Undervoltage Solutions



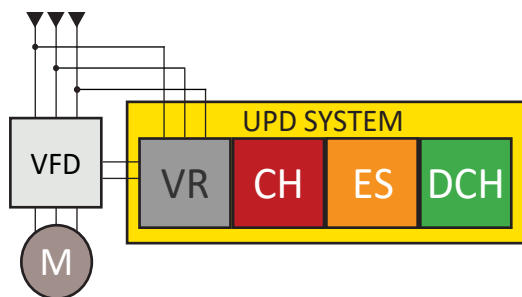
BONITRON

Ultracapacitor Solutions

Process availability and uptime are the watchwords of a profitable business. Reliability is the key to constant production. Sags, dips, outages, and transients on the power grid can cause variable frequency drives (VFDs) to trip off-line. This can stop your process and damage your product or equipment. The cost of repair, lost product, and lost productivity can be staggering. Now you can protect your VFDs from power fluctuations from the utility or within the plant with Bonitron's Ride-Thru Solutions.

The M5628 Ultracapacitor Cabinet along with our M3460 NEMA-1 Ride-Thru module allow your VFD to maintain full power through sags and outages so your process never sees a disturbance. The M5628UC also comes with an option to include an internal charger and/or a built in discharger (see model number breakdown on page 2). If you include the M5628 Charger, your cabinet will be installed with an ASM 3660 Digital Display unit with the ability to monitor the status of the unit.

Need A Critical VFD Solution?



Product Highlights

- Reliable operation in harsh environments
- Virtually maintenance free
- Tailored solutions
- Competitively priced
- Exceptional efficiency
- Extended operating life
- Environmentally safe

Model Number Table

Model Number	Number of Capacitors	Voltage Rating	Capacitance	Dimensions (H x W x D)
M5628UC-07A-CD-D	7	323VDC	23.7F	63"H x 24"W x 24"D
M5628UC-08A-CD-D	8	369VDC	20.8F	63"H x 24"W x 24"D
M5628UC-09A-CD-D	9	416VDC	18.4F	71"H x 24"W x 24"D
M5628UC-10A-CD-D	10	462VDC	16.6F	71"H x 24"W x 24"D
M5628UC-11A-CD-D	11	508VDC	15.1F	79"H x 24"W x 24"D
M5628UC-12A-CD-D	12	554VDC	13.8F	79"H x 24"W x 24"D
M5628UC-13A-CD-D	13	600VDC	12.8F	79"H x 24"W x 24"D



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Selection Tables

380 - 415 VAC		Outage Time						
		0.5 Sec	1 Sec	2 Sec	3 Sec	5 Sec	10 Sec	15 Sec
Ride-Thru Power	43 kW	7	7	7	7	7	8	9
	65 kW	7	7	7	7	8	9	(2x) 8*
	87 kW	7	7	7	8	8	11	(2x) 9*
	130 kW	7	7	8	9	19	(2x) 9*	(3x) 9*
	175kW	7	8	9	10	(2x) 9*	(2x) 11*	(3x) 10*
	215kW	8	8	9	11	(2x) 9*	(3x) 10*	(4x) 10*

460 - 480 VAC		Outage Time						
		0.5 Sec	1 Sec	2 Sec	3 Sec	5 Sec	10 Sec	15 Sec
Ride-Thru Power	50 kW	8	8	8	8	9	10	11
	75 kW	8	8	8	9	9	11	13
	100 kW	8	8	9	9	18	12	(2x) 11*
	150 kW	8	9	9	10	12	(2x) 11*	(2x) 13*
	200 kW	9	9	10	11	(2x) 10*	(2x) 12*	(3x) 12*
	250 kW	9	10	11	13	(2x) 11*	(3x) 11*	(4x) 12*

* Number of parallel cabinets required and number of capacitors per cabinet.



M5628 Charger

Energy storage devices such as batteries and capacitors are required for outage protection. A charger is necessary to keep the energy storage reservoirs at the appropriate levels.



Digital Display

The ASM 3660DD5 is an interactive digital display for the 3460 Series that monitors and stores history of power quality issues, including status, voltage, and current.

Model Number Breakdown

