

VERICON



MVS-HD

Tested & Proven

Outstanding Robust Performance

Powerful and Reliable

**MEDIUM VOLTAGE
SOFTSTARTER**



STANDARDS AND REFERENCE

62271-200	HV Metal-Enclosed Switchgear
62271-1	HV Switchgear & Controlgear – Part 1: Common Specifications
62271-100	Circuit Breakers
62271-106	Contactors
60282-1	Protection Fuses
62271-102	Earthing Switches
62271-102	Switch Disconnectors
61869-2	Current Transformer
61869-3	Voltage Transformer

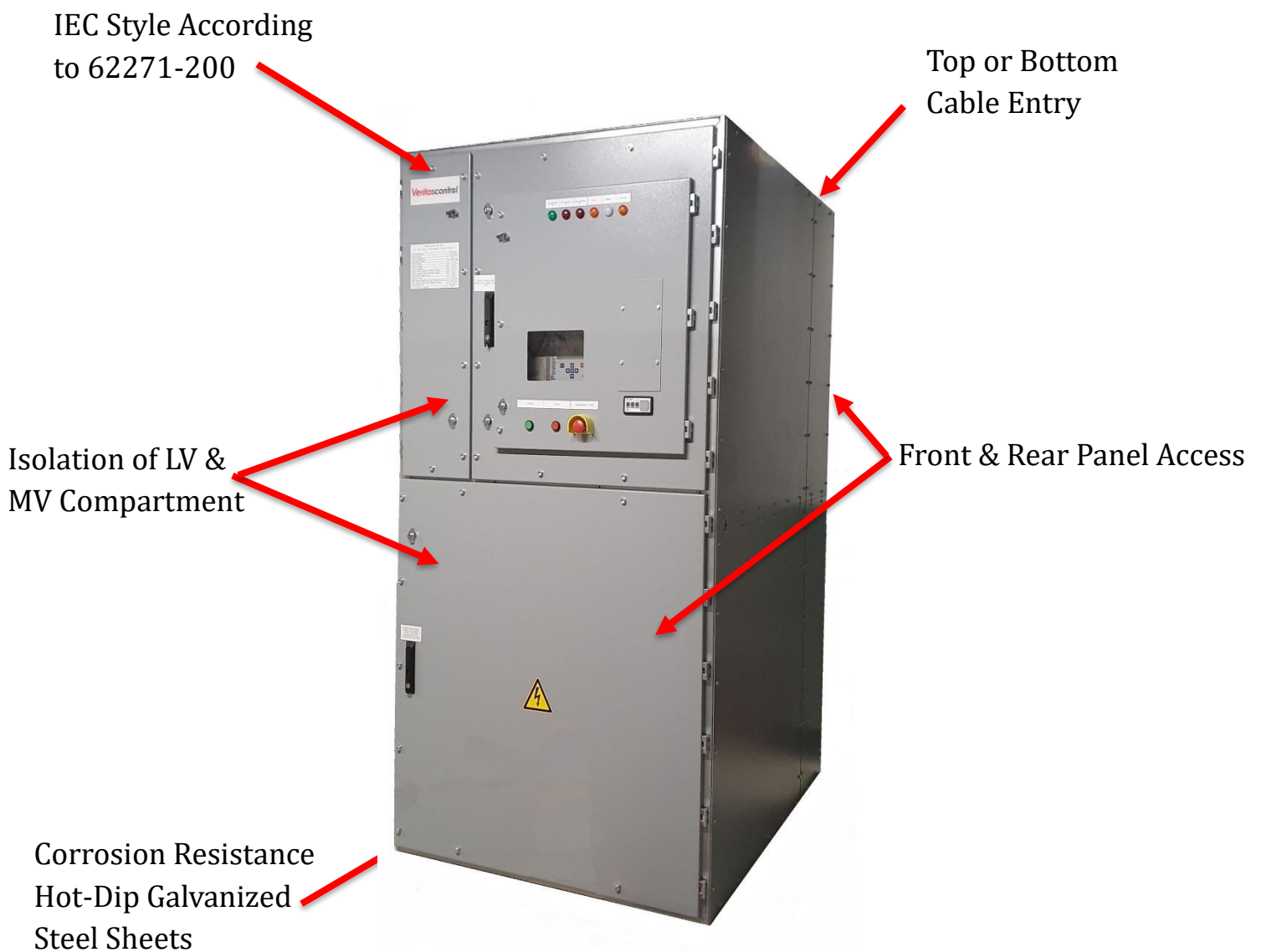
SPECIFICATIONS

Rated Voltage : 3.6kV – 13.8kV
Rated Busbar Current : Up to 1200A
Rated Short Time Withstand Current : 31.5kA for 3 seconds
Degree of Protection : IP3X/4X/54
Temperature : -10°C - 50°C
Altitude : ≤ 1000m
Humidity : 95%

TECHNICAL DATA

Motor Voltage	3.6kV – 13.8kV
Starter Full Load Current (FLC)	Up to 1800A
Motor Full Load Ampere (FLA)	33-100% of starter FLC
Pump Control Curves	8 field selectable curves
Pulse Start Level and Duration	70-440% of FLC for up to 10 Sec.
Initial Voltage	10-80% of nominal network voltage
Initial Current	100-440% of FLA
Current Limit	100-700% of motor FLA
Acceleration Time	1-90 Sec
Deceleration Time	0-90 Sec
Quadruple Motor Settings	FLA initial voltage, current limit, start & stop curves, acceleration and deceleration time
Tacho and Linear Acceleration	12 field selectable curves.

Vericon's MVS medium voltage soft starters are an integrated solution for motor control and protection. It is designed for use with standard motors which ensures smooth acceleration and deceleration, eliminating mechanical shocks to the motor and load.



Protection Features

- Up to 8.5 x rated current continuous protection
- Overload protection class 5, 10, 15, 20, 30
- Too many start
- Long start time
- Under current
- Under voltage
- Under/Over frequency
- Power On and no start
- Over voltage
- Phase loss
- Phase unbalance
- Wrong phase sequence
- Wrong connection
- SCR over temperature
- Ground fault
- Motor insulation fault (Optional)

Application

- Replace DOL & Auto-transformer starters
- Weak power source starting
- Fans
- Water/Ballast Pumps
- Conveyors
- Thruster/Propulsion
- Refrigeration chiller
- Ball mill
- Blowers
- Hydraulic pumps & power pack
- LNG/LPG cargo pumps
- Gas compressors
- Centrifugal/Screw compressor
- Fire Fighting pumps

Models | 2.3-15kV, 60-1,800A

Mains Voltage (kV)	Rated Current (A)	Motor kW (kW)	Mains Voltage (kV)	Rated Current (A)	Motor kW (kW)	Mains Voltage (kV)	Starter Current (A)	Motor kW (kW)	Mains Voltage (kV)	Starter Current (A)	Motor kW (kW)
2.3	60	200	4.16	60	360	10	70	1,020	11	70	1,100
	110	360		110	660		140	2,040		140	2,200
	200	660		200	1,200		250	3,650		250	4,000
	320	1,060		320	1,930		300	4,300		300	4,800
	400	1,330		400	2,410		400	5,800		400	6,400
	500	1,660		500	3,010		500	7,250		500	8,000
	600	2,000		600	3,610		600	8,700		600	9,600
	700	2,300		700	4,210		700	10,150		700	11,200
	800	2,660		800	4,820		800	11,600		800	12,800
	1,000	3,330		1,000	6,030		1,000	14,500		1,000	16,000
3.3	60	280	6.6	70	670	13.8	1,200	17,400	13.8	1,200	19,200
	110	520		140	1,340		1,400	22,000		1,400	22,400
	200	950		250	2,390		1,600	25,000		1,600	25,600
	320	1,530		300	2,870		1,800	28,000		1,800	28,800
	400	1,910		400	3,820		70	1,400		70	1,400
	500	2,390		500	4,780		140	2,800		140	2,800
	600	2,850		600	5,736		250	5,000		250	5,000
	700	3,325		700	6,740		300	6,000		300	6,000
	800	3,820		800	7,650		400	8,000		400	8,000
	1,000	4,780		1,000	9,570		500	10,000		500	10,000
			1,200	11,500	600	12,000	600	12,000			
			1,400	14,000	700	14,000	700	14,000			
			1,600	16,000	800	16,000	800	16,000			
			1,800	18,000	1,000	20,000	1,000	20,000			
					1,200	24,000	1,200	24,000			
					1,000	20,000	1,000	20,000			
					1,200	24,000	1,200	24,000			