

TECHNICAL SPECIFICATIONS

Model	Vin DC VDC	Vin AC * VAC	Vin, P1 nom** VDC	Max Vout VAC	Max I out A	Typical motor P2*** VAC	kW	Size
VS212	160 - 650	3x190-520	> 320	3 x 250	12	3 x 230	2,2	2
VS409	320 - 850	3x190-520	> 560	3 x 460	9	3 x 400	3	2
VS412	320 - 850	3x190-520	> 560	3 x 460	12	3 x 400	4	2
VS415	320 - 850	3x190-520	> 560	3 x 460	15	3 x 400	5,5	2
VS418	320 - 850	3x190-520	> 560	3 x 460	18	3 x 400	7,5	2
VS425	320 - 850	3x190-520	> 560	3 x 460	25	3 x 400	11	2
VS430	320 - 850	3x190-520	> 560	3 x 460	30	3 x 400	15	2
VS438	320 - 850	3x190-520	> 560	3 x 460	38	3 x 400	18,5	3
VS448	320 - 850	3x190-520	> 560	3 x 460	48	3 x 400	22	3
VS465	320 - 850	3x190-520	> 560	3 x 460	65	3 x 400	30	3
VS485	320 - 850	3x190-520	> 560	3 x 460	85	3 x 400	37	3
VS4100	320 - 850	3x190-520	> 560	3 x 460	100	3 x 400	45	3
VS4118	320 - 850	3x190-520	> 560	3 x 460	118	3 x 400	55	3
VS4158	320 - 850	3x190-520	> 560	3 x 460	158	3 x 400	75	4
VS4198	320 - 850	3x190-520	> 560	3 x 460	198	3 x 400	93	4
VS4228	320 - 850	3x190-520	> 560	3 x 460	228	3 x 400	110	4
VS4268	320 - 850	3x190-520	> 560	3 x 460	268	3 x 400	132	4

* AC power available only for MP (MultiPower) models.

** Input voltage necessary to obtain 100% of rated motor power.

*** Typical motor power. It is recommended to refer to the rated motor current when selecting the VASCO Solar - VArIable Speed COnTroller model.

GENERAL SPECIFICATIONS

- Rated frequency:
50 - 60 Hz (+/- 2%)
- EMC compliance: EN61800-3 C2
Energy Efficiency Class
(EN61800-9-2): IE2
- Relative humidity in the working environment: 5 - 95% non-condensing
- Operating ambient temperature: from -10 °C (14 °F) to 60 °C (140 °F)
- Maximum operating ambient temperature at full load: 50°C (122 °F)
- Maximum altitude at full load: 1000 m
- Vibration resistance (Size 2):
EN60068-2-6:2008
EN60068-2-27:2009
EN60068-2-64:2008
- Degree of protection:
IP66 (NEMA 4X) Taglia 2
IP54 (NEMA 12) Taglie 3, 4
- Settable digital outputs N.O. or N.C.:
 1. Motor run signal
 2. Alarm signal
 3. Extra Power signal
- Analog inputs (10 o 15 VDC):
 1. 4-20 mA
 2. 4-20 mA
 3. 4-20 mA o 0 - 10 VDC
 4. 4-20 mA o 0 - 10 VDC
- 4 digital inputs, configurable N.O. or N.C. for motor run/stop.
- RS485 MODBUS RTU, BACnet Bluetooth® SMART

