



Electromotive

IMPULSE® VG+ Series 2

IMPULSE® Control Products
IMPULSE® VG+ Series 2 Features & Benefits

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SAFETY

Slack Cable Detection	Identifies a slack cable condition and provides a selectable response (stop, slow down, alarm)
Roll Back Detection	Drive monitors brake functionality at start and stop
Torque Proving at Start	Drive monitors brake functionality at start and stop
Brake Check at Stop	Drive monitors brake functionality at start and stop
Safe Operating Windows™	Reduces the possibility of programming unsafe parameters
Load Check™	Reduces the possibility of lifting an overload
Quick Stop™	Reduces the possibility of crane collision
Multi-Level Password Protection	Limits unauthorized modification of drive parameters
Phase Loss Detection	In case of phase loss, brake will set immediately, retaining load
Interface Boards	120 V optically isolated-standard (Other voltages available as option)
UL/CUL Rated	Tested and certified by Underwriters Laboratory
Ground/Fault Short Circuit Protection	Tested and certified by Underwriters Laboratory
PERFORMANCE	
Load Float™	Allows a load to be held aloft at zero speed without setting the electric brake
Weight Measurement	Enables load to be weighed with ±5 percent accuracy (0-10VD C Output)
X-Press Programming™	Allows programming initial setup within seconds

Ultra-Lift™	Allows overspeeding with light loads or empty hook
Reverse Plug Simulation™	Allows operator to smoothly and quickly stop and change directions without setting brake
Stall Prevention	Extends acceleration time and prevents the motor torque limits from being exceeded
Micro-Positioning™	Allows operator to make precise, slow moves
Torque Limit at Accel/Deceleration	Allows for load dependent Acceleration or Deceleration
Multi-Function Input Terminals	For end of travel/slow down limits stops or other options
Flash ROM	Stores last four fault occurrences, even after power-down, for diagnostic purposes
Elapsed Time Counter	Indicates actual time of operation (power on or run time)
RELIABILITY	
Built-In Auto Tune	Maximizes performance and life of motor
Built-In Serial Communication	Provides reliable digital linkage among various crane system peripherals, including PulseStar Radio Remote Crane Controls
Operation/Fault Display	Simplifies setup and troubleshooting