

# PG Drives Technology nVR2 Drive-Only System Wheelchair Control System

- **Power Module with 60A current rating**
- **Connector position reduces overall footprint on the wheelchair**
- **Patented drive control algorithms (eFWD)**
- **Extremely compact Joystick Module**
- **Improved maneuverability in tight spaces**
- **Reduced likelihood of sustaining damage**
- **Intuitive and easy-to-access user controls**
- **Highly visible charger socket**



## nVR2 Drive-only system

PG Drives Technology's proven record of delivering high quality, cost effective, reliable and innovative controller solutions makes the nVR2 the ideal fit for the wheelchair OEM's consumer power offerings. The simple design and field serviceable components also make the nVR2 drive only system the obvious choice for the retail market.

The Power Module comes with a 75cm flying lead, which saves on the cost of using extension cables and offers an easy disconnection point should the wheelchair's seat need to be removed. The interconnection point between the Power Module and Joystick Module is molded in a highly visible, yellow plastic, in the same way as other key dismantling points on the wheelchair.

The Power Module motor and battery connectors are recessed to reduce the overall footprint, making it ideal for applications where space is at a premium.

## nVR2 Drive-only Joystick Module

The compact Joystick Module is the latest addition to the VR2 wheelchair controller family. It is the perfect option for small to

mid-range drive-only wheelchairs. The design delivers the most compact Joystick Module ever offered.

## Improved usability and maneuverability

The guiding principle behind the Joystick Module design is to try to make some everyday tasks easier to accomplish for the wheelchair user; for example, driving up to a table or maneuvering through a door way. As such, the compact design of the Joystick Module lends itself perfectly to indoor use, where maneuvering the wheelchair can be more difficult. The simple and easy-to-access, user controls make the Joystick Module the ideal candidate for first time wheelchair user, patients with limited hand movement or children.

Due to its compact nature the Joystick Module is less likely to sustain impact damage. This in turn can lead to a reduction in expensive replacements and service calls for the wheelchair OEM and provider.

The charger socket on the underside of the Joystick Module is colored yellow for the purpose of making the charger socket distinctive. This aids the wheelchair user when trying to connect a charger plug to charge the wheelchair batteries.

## Programming and backward compatibility

The nVR2 Drive only system is compatible with the entire range of PG Drives Technology programming tools, including the PP1, PC Programmers and the Diagnostic Test Tool (DTT).

The new drive only Joystick Module is backwards compatible with existing Power Modules making installation a simple task.



## SPECIFICATIONS

### SUPPLY

SUPPLY VOLTAGE	24Vdc
REVERSE BATTERY VOLTAGE	40Vdc
OPERATING VOLTAGE	16-28Vdc
DRIVE CURRENT	60A Max
BRAKE VOLTAGE	24Vdc
BATTERY CHARGING CURRENT	6Arms Max.
MOISTURE RESISTANCE	IPX4
SAFETY	Multiple hardware and software strategy designed to ISO7176/14

### ENVIRONMENTAL

EMC ON SAMPLE WHEELCHAIR	
SUSCEPTIBILITY	Tested at 30V/m to EN12184
EMISSIONS	ANSI/RESNA class B
ESD	IEC801 part2

## PRODUCT CODES

nVR2 PM50	50A max. current
nVR2 PM60	60A max. current
nVR2 JSM	Joystick Module