



BULLET VARIABLE-FREQUENCY DRIVE

DPI
SERIES 50HZ OR 60HZ

DPI Bullet VFD is the world’s first all-in-one & in-line inverter pump manager to upgrade and manage most of the water pumps. It provides constant water pressure, and saves energy for most kinds of water usage.

The product is integrated with all the required functionalities of a conventional inverter booster pump. With this design, the assembly time & cost of an inverter booster pump are significantly reduced, which sets up a new industry standard.

Features & Benefits

- **All-In-One:** Integrate all the required functionalities of a conventional inverter booster pump
- **In-Line design:** Easier assembling for time-saving
- **One-For-All:** Adapt to most types and brands of water pump
- **Intuitive interface:** Smarter setting and indication for pressure & error status
- **Constant water pressure:** Better water usage experience
- **Energy saving up to 50%:** Lower electricity bill and eco-friendly
- **Lower operating noise:** Good night sleep and better life
- **Work in multiple directions:** Flexible installation + pipework
- **All-Around protections:** Pump lifetime extending and safer operation

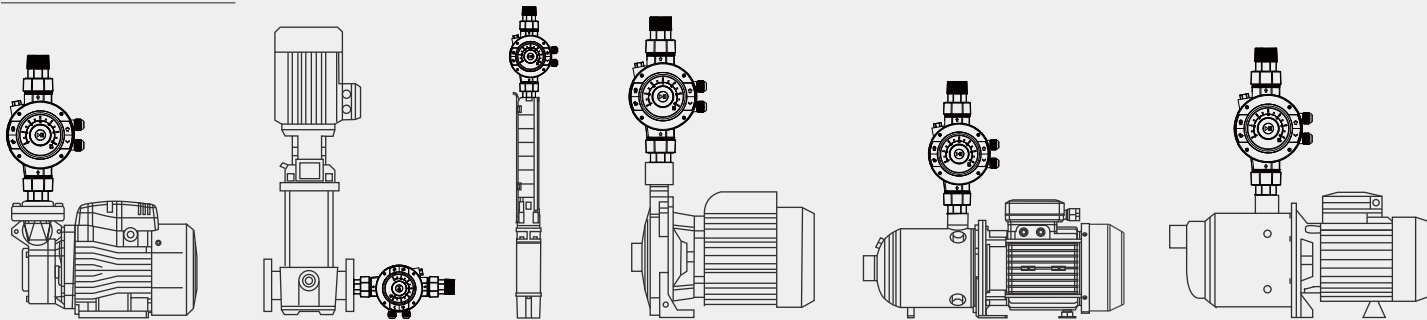
All-Around Protections

- Over and low voltage protection
- Over current protection Locked
- rotor protection Phase failure
- protection Excess temperature
- protection Dry running protection
- Leakage warning
- Over pressure protection Anti-
- freezing protection

Applications

- Horizontal centrifugal
- pump Vertical
- centrifugal pump
- Peripheral pump
- Jet pump
- Deep well bore pump
- Other types pump

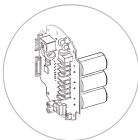
One-For-All



All-In-One



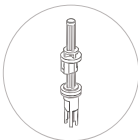
Interactive Panel
Intuitive interface for smarter setting, and indication for pressure & error status



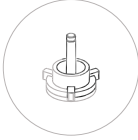
VFD / VSD Inverter & Pump Protector
Provide variable speed, constant water pressure, soft start & stop
Energy saving
All-around protection for water pump and piping



Pressure Sensor
High-quality pressure sensor for precise + longevity operation



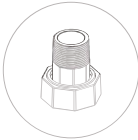
Flow Switch
Precise flow switch to achieve stable operation even at 2L/min(0.53GPM) water usage



Check Valve
Durable non-return check valve to prevent back flowing and water hammer damage



Pressure Tank
Rechargeable 0.6L(0.16GPM) AISI 304 pressure tank to prevent pump short cycling and water hammer damage



Union Pipe Connector
Standard M1”(25mm), 1-1/4”(32mm), 1-1/2”(38mm), and a longer M1”(25mm) for taller junction box



Cable
0.5M(19.7”) cable with Y type terminal for pump connection;
1.5M(59”) cable with plug for electricity connection

General Data

Pressure setting range	1bar~6bar (14psi~84psi)	
Variable frequency range	50Hz:	60Hz:
	1 phase out :35Hz~50Hz	1 phase out :35Hz~60Hz
	3 phase out :30Hz~50Hz	3 phase out :30Hz~60Hz
Max. system pressure	10bar (145psi)	
Ingress Protection	IP 55	
Max. water temp	50°C (122°F)	
Max.ambient temp	50°C (122°F)	
Max.flow	300L/min (79.3GPM)	
Inlet/Outlet thread	»Standard M1”(25mm),1-1/4”(32mm), 1-1/2”(38mm),and a longer M1”(25mm) for taller junction box	
	»RP or NPT thread	
» Dimension without union	pipe connector(LxWxH): 230mmx170mmx230mm(9.1"x6.7"x9.1")	
» Package Size(LxWxH):	250mmx250mmx240mm (9.9"x9.9"x9.5")	

Data Chart

Model	Max. pump power		Max. pump current	Absorbed current	Power in	Power out
DPI-20	2.0HP	1.5 kW	8A	15A	1ph, 200v~240V	3ph, 200V~240V
DPI-15S	1.5HP	1.1kW	8A	13A	1ph, 200v~240V	1ph, 200v~240V