

PDE Series

High Efficiency Programmable DC Power Supply



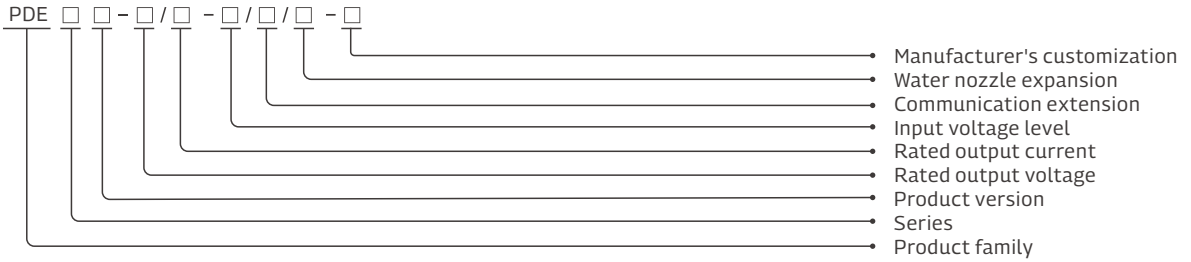
Features

- Standard 3U chassis design
- IGBT inverter technology and high-speed DSP as the control core
- Constant voltage/constant current free switching
- Telemetry function to compensate for voltage drops on load lines
- High-precision regulation of voltage and current via digital encoder
- Support more than 10 conventional industrial bus communications
- External analog programming and monitoring (0V~5V or 0V~10V)
- Optional isolated analog programming and monitoring (0V~5V or 0V~10V)
- Support multi-machine parallel operation
- Light weight, small size, high power factor, energy saving

Usages

- The PDE Series is mainly used in semiconductors, lasers, accelerators, high-energy physics equipment, laboratories, new energy storage battery testing platforms and other industries.





Definitions



Specifications

Input	
Input voltage	3Φ AC176-265V/3ΦAC342-460V
Conversion efficiency	≥90%
Power factor	Reachable 0.99
Output	
Output power	10kW, 20kW, 30kW, 40kW
Output voltage	10V-600V
Output current	17A-1000A
Performance index	
Temperature coefficient	Reachable 100ppm/°C
Communication	Standard RS485, expandable RS232, CAN, DeviceNET, PROFIBUS, PROFINET, ETHERCAT, ETHERNET IP, MODBUS TCP etc.
Size	3U
Cooling method	water-cooling
Constant voltage mode	
Noise	≤0.5% Ue
Ripple wave	≤0.05% Ue
Input adjustment rate	0.05% Ue
Load adjustment rate	0.05% Ue
Stability	≤5×10 ⁻⁴
Constant current mode	
Ripple wave	≤0.05% Ie
Input adjustment rate	0.05% Ie
Load adjustment rate	0.05% Ie
Stability	≤5×10 ⁻⁴

Sichuan Injet Electric Co.,ltd.

-  www.injet.com
-  injet@injet.cn
-  +86-0838-2900585 2900586
-  No. 686, Jinshajiang West Road, Deyang, Sichuan, China