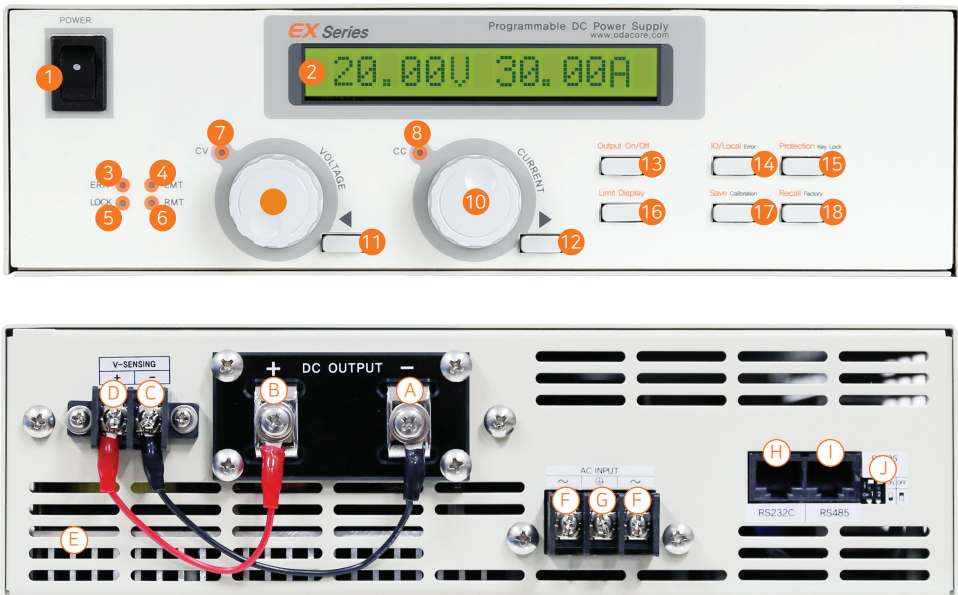


EX-TB Series

Switching Type Programmable DC Power Supply

High Performance, High Efficiency Compact size

EX-TB Series is high-performance and high-efficiency programmable single output DC power supply with bench-top size. This series supports RS232C, RS485(RJ-45 type) interface based on SCPI (Standard Commands for Programmable Instruments) protocol. This power supply will provide various solutions for your design and test requirements in the industrial fields, R&D institute center and education fields.



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|-------------------------------------|---|------------------------------------|-------------------------|
| ① Power switch | ⑩ Current Encoder Knob | Ⓐ - Output busbar | Ⓕ AC Input |
| ② 16Character, one line LCD Display | ⑪ Volt Cursor or Menu Change Key | Ⓑ + Output busbar | Ⓖ Earth Ground |
| ③ Error Lamp | ⑫ Curr Cursor or Menu Change Key | Ⓒ - Voltage Sensing Input terminal | Ⓗ RS232C Interface port |
| ④ Limit Display Lamp | ⑬ Output ON/OFF Key | Ⓓ + Voltage Sensing Input terminal | Ⓘ RS485 Interface port |
| ⑤ Key Lock Lamp | ⑭ IO/Local Setting and Error Display Key | Ⓔ Ventilation Slit | ⓵ RS485 TERMINAL |
| ⑥ Remote Interface Lamp | ⑮ Protection Setting and Front-panel Lock Key | | |
| ⑦ CV Mode Lamp | ⑯ Volt/Curr Setting Limit Display Key | | |
| ⑧ CC Mode Lamp | ⑰ Store or Calibration Key | | |
| ⑨ Voltage Encoder Knob | ⑱ Recall or Factory Key | | |



COMPACT SIZE

EX-TB Series was developed from EX Series that has smaller size compared to EX Series. Though it has bench top size but has same specifications with EX Series.



PROTECTION MODE

Built-in OVP(Over Voltage Protection) and OCP(Over Current Protection) protection modes block the output when the output voltage and current are over the limit that user set to protect the load. This mode will be worked when user's negligence happened or conduct test for a long time.



DUAL CONTROL ENCODER

The control encoders for voltage and current help to set the mode you try to change fast compared to single control encoder. It was designed to use the product easily even though user is not familiar programmable power supply.



MEMORY STORE & RECALL

Even you are not an engineer, user can easily save and recall the voltage, current and state of use to inspect production. Also you can use this model for the reliability test and other tests too by using the function that recalls the memory which was saved in advance.

Standard Features

- Bench top size for up to 2.4kW power with 265mm(W) x 75mm(H)/150mm(H) x 404mm(D)
- 4-Digit Display Resolution
- 16×1 Big-Char Type LCD Display attached
- Adjustment encoder provided for voltage and current
- OVP(Over Voltage Protection), OCP(Over Current Protection) Protection Mode provided
- UVL(Under Voltage Lock), OVL(Over Voltage Lock), UCL(Under Current Lock), OCL(Over Current Lock)
- Calibration function provided(manual and PC)
- Panel Lock function provided
- Memory Store & Recall function provided(It is possible to store and recall 10)
- Output ON/ OFF function(Signal control is optional)
- Limit Display function provided
- 11 diverse Factory Modes provided
- RS-232C, RS485 Communication mode is basic(TCP/IP communication is optional)
- Single phase, AC Input 220VAC ±10% and 3 phase AC Input(option)

Options

- RJ45 to RS232C cable
- RS-232C cable
- RS- 485 cable
- TCP/IP communication
- Output ON/OFF signal control
- Analog Programming(Vout & Iout voltage programming) & Monitoring (Output Voltage & Current Monitoring) by 0~5V or 0~10V, Isolated type
- AC Power Cord(Other type)
- AC Input 380V or 400V± 10%, 3-phase 4-wire system(R,S,T,N,G), 50~60Hz
- AC Input 200V or 220V± 10%, 3-phase 3-wire system(R,S,T,G), 50~60Hz

Accessories

- AC Power Cord(Type F)
- Operating Manual(QR code)
- Demo software program(QR code)

Line-Up and Specification

Models in bold with* mark are CE certified.

600W ~ 2.4kW									
Voltage	20V	30V	50V	60V	80V	100V	150V	200V	300V
Current	30A	20A	12A	10A	7.5A	6A	4A	3A	2A
	60A	40A*	24A	20A	15A	12A	8A	6A	4A
	90A	60A*	36A	30A	22.5A	18A	12A	9A	6A
	120A	80A	48A	40A	30A	24A	16A	12A	8A