Programmable DC Electronic Load

MEL-400 Series

NEW

CE



Features

- Voltage Accuracy: 0.025% F.S.; Current Accuracy: 0.05% F.S.
- Short-term load capacity up to twice the rated power
- 1MHz voltage/current sampling, 1μs control resolution
- 50kHz dynamic mode, adjustable current rise/fall edges
- 1kHz parameter communication rate
- Tunable CV loop speed for various power supplies
- Full protections: OV, OC, OP, OT, oscillation, current/power limit, reverse alarm
- Fast OCP test function
- 20+ test functions: sequence, auto test, short simulation, discharge, resistance, peak voltage, sweep, LED simulation, sine wave etc.
- Operating modes: CC, CV, CR, CP, CZ, CV+CC, CR+CC, CV+CR, CP+CC
- Sequence: 50 files, 100 steps each, file chaining
- Standard: LAN, RS232, RS485; Optional: GPIB, USB, CAN. Isolated high-speed digital/analog monitoring ports

Standard RS-232☑ LAN☑ RS-485☑ Optional CAN☐ GPIB☐

Model selection table of 150V series products

Model	Voltage	Current	Power
MEL-404S-150-400	0-150V	400A	4000W
MEL-406S-150-600	0-150V	600A	6000W
MEL-408S-150-800	0-150V	800A	8000W
MEL-410S-150-1000	0-150V	1000A	10KW
MEL-412S-150-1200	0-150V	1200A	12KW
MEL-418S-150-1800	0-150V	1800A	18KW
MEL-424S-150-2400	0-150V	2400A	24KW
MEL-430S-150-3000	0-150V	3000A	30KW
MEL-436S-150-3000	0-150V	3000A	36KW
MEL-442S-150-3000	0-150V	3000A	42KW
MEL-448S-150-3000	0-150V	3000A	48KW
MEL-454S-150-3000	0-150V	3000A	54KW
MEL-460S-150-3000	0-150V	3000A	60KW
MEL-472S-150-3000	0-150V	3000A	72KW

Model selection table of 600V series products

Model	Voltage	Current	Power
MEL-404S-600-280	0-600V	280A	4000W
MEL-406S-600-420	0-600V	420A	6000W
MEL-408S-600-560	0-600V	560A	8000W
MEL-410S-600-700	0-600V	700A	10KW
MEL-412S-600-840	0-600V	840A	12KW
MEL-418S-600-1260	0-600V	1260A	18KW
MEL-424S-600-1680	0-600V	1680A	24KW
MEL-430S-600-2100	0-600V	2100A	30KW
MEL-436S-600-2520	0-600V	2520A	36KW
MEL-442S-600-2940	0-600V	2940A	42KW
MEL-448S-600-3000	0-600V	3000A	48KW
MEL-454S-600-3000	0-600V	3000A	54KW
MEL-460S-600-3000	0-600V	3000A	60KW
MEL-472S-600-3000	0-600V	3000A	72KW

Model selection table of 1200V series products

Model	Voltage	Current	Power
MEL-404S-1200-160	0-1200V	160A	4000W
MEL-406S-1200-240	0-1200V	240A	6000W
MEL-408S-1200-320	0-1200V	320A	8000W
MEL-410S-1200-400	0-1200V	400A	10KW
MEL-412S-1200-480	0-1200V	480A	12KW
MEL-418S-1200-720	0-1200V	720A	18KW
MEL-424S-1200-960	0-1200V	960A	24KW
MEL-430S-1200-1200	0-1200V	1200A	30KW
MEL-436S-1200-1440	0-1200V	1440A	36KW
MEL-442S-1200-1680	0-1200V	1680A	42KW
MEL-448S-1200-1920	0-1200V	1920A	48KW
MEL-454S-1200-2160	0-1200V	2160A	54KW
MEL-460S-1200-2400	0-1200V	2400A	60KW
MEL-472S-1200-2880	0-1200V	2880A	72KW

Model selection table of 1600V series products

Model	Voltage	Current	Power
MEL-404S-1600-80	0-1600V	80A	4000W
MEL-406S-1600-120	0-1600V	120A	6000W
MEL-408S-1600-160	0-1600V	160A	8000W
MEL-410S-1600-200	0-1600V	200A	10KW
MEL-412S-1600-240	0-1600V	240A	12KW
MEL-418S-1600-360	0-1600V	360A	18KW
MEL-424S-1600-480	0-1600V	480A	24KW
MEL-430S-1600-600	0-1600V	600A	30KW
MEL-436S-1600-720	0-1600V	720A	36KW
MEL-442S-1600-840	0-1600V	840A	42KW
MEL-448S-1600-960	0-1600V	960A	48KW
MEL-454S-1600-1080	0-1600V	1080A	54KW
MEL-460S-1600-1200	0-1600V	1200A	60KW
MEL-472S-1600-1440	0-1600V	1440A	72KW