

Specification:

S. No.	Item	Specification
1.	Power	5 kW
2.	Output Voltage	0- 30V $\pm$ 2V, adjustable
3.	Current	0-170 A $\pm$ 5A, adjustable
4.	Input voltage/mains	3-Phase, 440 Vac, continuous, 50Hz,
5.	Power factor	0.90 @ 440Vac at rated output power or better
6.	Efficiency	90% or better
7.	Inrush current	50A or less
8.	Constant Voltage mode operation Max line regulation Max. Load regulation Ripple and noise (p-p, 20MHz) Ripple r.m.s. Temperature Coeff Temperature stability Warm-up drift Transient Response time (Full load)	0.01% of rated output 0.01% of rated output 75 mV or better 15 mV or better 50 PPM/ $^{\circ}$ C or better 0.01% of rated Vout over 8hrs Less than 0.05% in 30 minutes 2ms or better
9.	Constant Current mode operation Max line regulation Max. Load regulation Ripple r.m.s. Temperature Coeff Temperature stability Warm-up drift	0.01% of rated output 0.05% of rated output 300 mA or less 100PPM/ $^{\circ}$ C 0.01% of rated lout over 8hrs or better Less than 0.25% in 30 minutes
10.	Analog Programming and Monitoring (isolated from the output)	Vout Voltage programming (0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: +/-0.15% of rated Vout or better.) Iout Voltage programming (0~100%, 0~5V or 0~10V, user selectable. Accuracy and linearity: +/-0.5% of rated Vout or better.)
11.	Signals and controls (isolated from the output)	Power supply OK signal CV/CC signal LOCAL/REMOTE Analog control LOCAL/REMOTE Analog signal ENABLE/DISABLE signal
12.	Readback Vout readback accuracy Vout readback resolution Iout readback accuracy Iout readback accuracy	0.05% of rated output voltage or better 0.01% of rated output voltage or better 0.2% of rated output current or better 0.05% of rated output current or better
13.	Other Features and Functions	Parallel operation Series operation Daisy chain operation Constant power control Slew rate control Programming and readback (USB, LAN, RS232/485)

14.	Safety features	Foldback protection Over-voltage protection (OVP) Over current Protection
15.	Front Panel	<p>Control Functions:  Vout/Iout/Power Limit manual adjust  OVP/UVL/UVI manual adjust  Protection Functions - OVP, UVL, UVP, Foldback, OCL, ENA, ILC  Communication Functions - Selection of LAN, IEEE, RS232, RS485, USB or Optional communication interface.  Output ON/OFF. Front Panel Lock.  Analog Control Functions - Selection Voltage/resistive programming, 5V/10V, 5K/10K programming  Analog Monitor Functions - Selection of Voltage/Current Monitoring 5V/10V.</p> <p>Display:  Vout: 4 digits, accuracy: 0.05% of rated output voltage +/-1 count.  Iout: 4 digits, accuracy: 0.2% of rated output current +/-1 count.</p> <p>Front Panel Buttons Indications:  Output on, Alarm, Preview, Fine, Communication, Protection, Configuration, System.</p> <p>Front Panel Display Indications:  Voltage, Current, Power, CV, CC, CP, External Voltage, External Current, Address, LFP, Autostart, Safetstart, Foldback V/I, Remote (communication), RS/USB/LAN/IEEE communication, Trigger, Load/Store Cell.</p>
16.	Mechanical specification	Weight: 10 kg or less Dimension: W: 423mm, H: 44mm, D: 550mm (Including busbars and busbars cover) with ±1% tolerance 19 inch (1U or 2U) rack mountable Cooling: Forced air cooling by internal fans. Air flow direction: from Front panel to power supply rear (no vent at top or bottom for zero stacking)