

Table 1-1  
2 kW to 3 kW Series Technical Characteristics

PARAMETERS	SPECIFICATIONS
<b>PHYSICAL CHARACTERISTICS</b>	
Width	19.00 in.
Depth	18.00 in (output connections not included)
Height	3.50 in.
Weight	45 lbs. max.
<b>ELECTRICAL CHARACTERISTICS</b>	
Input Power (Standard)	
Voltage	208-230 VAC (tested to 190-253 VAC)
Frequency	47 to 63 Hz
Phases	Single, 2-wire plus ground Three, 3-wire plus ground (optional)
Regulation (Line or Load)	
Voltage	0.1% of max. output voltage
Current	0.2% of max. output current
Transient Response	A 30% step load will recover to within 2% of original value within 10ms.
Stability	$\pm 0.05\%$ of set point after 8 hr. warm-up at fixed line, load and temp.
Remote Control/Monitor	Output On/Off control via contact closure, 6-120 VDC or 12-120 VAC, and TTL or CMOS switch, output voltage and current monitor, OVP limit set, and summary fault status
Power Density	2.5 Watts/cubic in.
Power Factor	.72 min.
Efficiency	80% minimum at full load

Table 1-1  
2 kW to 3 kW High Series Technical Characteristics – Continued

PARAMETERS	SPECIFICATIONS
<p><b>REMOTE PROGRAMMING</b></p> <p>Resistive:            Constant Voltage (0-100%)            Constant Current (0-100%)</p> <p>Voltage:            Constant Voltage (0-100%)            Constant Current (0-100%)</p> <p>Remote Sensing</p> <p><b>ENVIRONMENTAL CHARACTERISTICS</b></p> <p>Temperature Coefficient</p> <p>Ambient Temperature            Operating            Storage</p> <p>Humidity</p> <p>Cooling</p> <p>Agency Approvals (excludes 600 volt models)</p>	<p>0 - 5k ohms            0 - 5k ohms</p> <p>0 - 5/10 VDC            0 - 5/10 VDC</p> <p>Terminals are provided to sense output voltage at point of load. Maximum line drop 3% of rated voltage per line, or 2 volts, whichever is less.</p> <p>0.02%/°C of max. output voltage rating for voltage set point.            0.03%/°C of max. output current rating for current set point.</p> <p>0 to 50°C            -40° to 75°C</p> <p>0-80% RH, non-condensing</p> <p>Internal fans</p> <p>TÜV NRTL to UL1950            TÜV to IEC 950            CE mark</p>

Table 1-2  
5kW to 15kW and 16kW to 30kW Series Technical Characteristics

PARAMETERS	SPECIFICATIONS
<b>PHYSICAL CHARACTERISTICS</b>	
Width	≤60V to 10kW      ≤60V to 20kW ≥80V to 15kW      ≥80V to 30kW <u>600V to 10kW</u> <u>600V to 20kW</u>
Depth	19.00 in.              19.00 in. 22.00 in.              22.00 in. (output connections not included)
Height	5.25 in.                10.5 in.
Weight	120 lbs. max.        163 lbs. max.
<b>ELECTRICAL CHARACTERISTICS</b>	
Input Power	
Voltage	
Standard	208-230 VAC (tested to 190-253 VAC)
Options	400 VAC (tested to 360-440 VAC) 480 VAC (tested to 432-528 VAC)
Frequency	47 to 63 Hz
Phases	3-phase, 3-wire plus ground
Regulation (Line or Load)	
Voltage	0.1% of max. output voltage
Current	0.1% of max. output current for 80V and higher 0.5% of max. output current for <80V
Transient Response	A 30% step load will recover to within 2% of original value within 10ms.
Stability	±0.05% of set point after 8 hr. warm-up at fixed line, load and temp.
Remote Control/Monitor	On/Off control via contact closure, 6-120 VDC or 12-120 VAC, and TTL or CMOS switch, output voltage and current monitor, OVP limit set, summary fault status.
Power Density	4.5 Watts/cubic in. (10 & 20 KW) 6.8 Watts/cubic in. (15 & 30 KW)
Power Factor	.72 min.
Efficiency	80% minimum at full load

Table 1-2  
5kW to 15kW and 16kW to 30kW Series Technical Characteristics - Continued

PARAMETERS	SPECIFICATIONS
<p><b>REMOTE PROGRAMMING</b></p> <p>Resistive            Constant Voltage (0-100%)            Constant Current (0-100%)</p> <p>Voltage            Constant Voltage (0-100%)            Constant Current (0-100%)</p> <p>Remote Sensing</p> <p><b>ENVIRONMENTAL CHARACTERISTICS</b></p> <p>Temperature Coefficient</p> <p>Ambient Temperature            Operating            Storage</p> <p>Humidity</p> <p>Cooling</p> <p>Agency Approvals (excludes 600 volt models)</p>	<p>0 - 5k ohms            0 - 5k ohms</p> <p>0 - 5 VDC or 0 -10 VDC            0 - 5 VDC or 0 -10 VDC</p> <p>Terminals are provided to sense output voltage at point of load. Maximum line drop, 3% of rated voltage per line, or 2 volts, whichever is less.</p> <p>0.02%/°C of max. output voltage rating for voltage set point.            0.03%/°C of max. output current rating for current set point.</p> <p>0 to 50°C            -40° to 75°C</p> <p>0-80% RH, non condensing</p> <p>Internal fans</p> <p>TÜV NRTL to UL1950            TÜV to IEC 950            CE mark</p>