

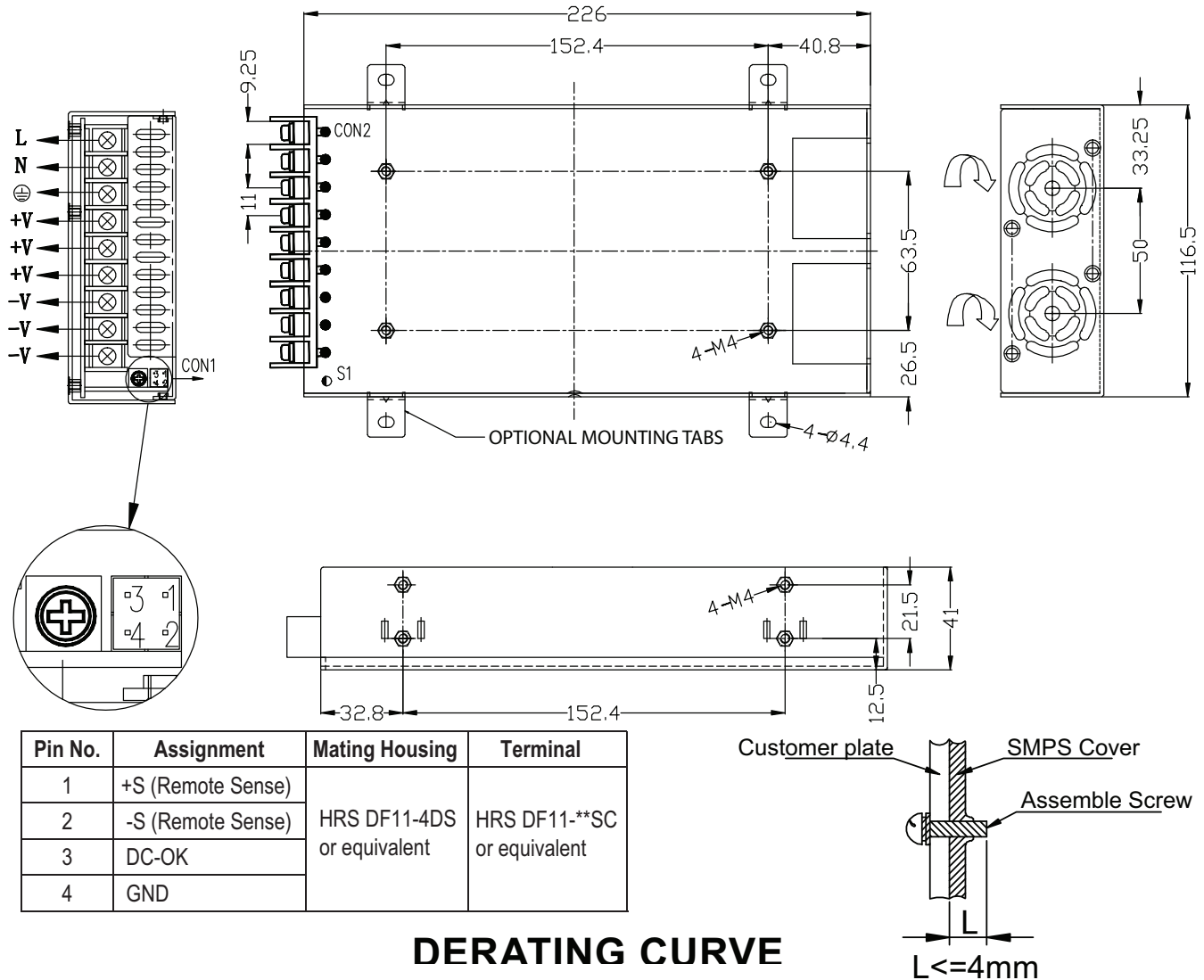
**Features:**

- Universal AC input/ Full range
- Built-in active PFC function, PF>0.96
- Built-in Fan Speed Control
- Built-in AC Inrush Current Limiting Circuit (<20A)
- Built-in Constant Current Limiting Circuit
- Built-in Remote Sense Function
- High Efficiency, and High Reliability
- Output Protections: OLP/OVP/OTP/OPP/SCP
- 1U Low Profile, 41mm
- 100% full load burn-in test

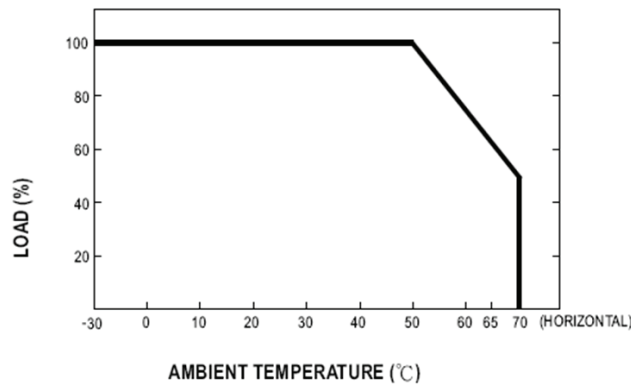


Model	QPDF-800-24	QPDF-800-48
Output Characteristics		
DC Output	24V	48V
Rated Current (100-127VAC)	27A	14A
Rated Current (128-264VAC)	33A	16.5A
Ripple and Noise	<200mV	<240mV
Voltage ADJ. Range	-5% ~ +10% of rated output voltage	
Voltage Accuracy	±2.0%	
Line Regulation	±0.5%	
Load Regulation	±2.0%	
Set-up Time	<3s (230VAC input, full load)	
Hold-up Time	>8ms (230VAC input, full load)	
Temperature Coefficient	±0.03%/°C	
Overshoot and Undershoot	<5.0%	
Input Characteristics		
Voltage Range	90VAC~264VAC, 127VDC~370VDC	
Frequency Range	47Hz-63Hz	
Power Factor (Typical)	PF>0.98/115VAC PF>0.96/230VAC	
Efficiency (Typical)	88%	89%
AC Current (max)	<12.0A	
Inrush Current (Typical)	<20A@230VAC Cold start	
Leakage Current	Input-Output: ≤0.25mA Input-PG: ≤3.5mA	
Protection		
Over Load (OLP)	110%~135% of rated output current, constant current, auto recovery	
Over Power (OPP)	110%~135% of rated output power, constant current, auto recovery	
Over Temperature (OTP)	105°C ± 5°C (detect on mosfet); shut down, auto recovery after the temperature decreases to 70°C	
Over Voltage (OVP)	110%~150% of rated output voltage, constant voltage, auto recovery	
Short Circuit (SCP)	Long-term mode, constant current, auto recovery	
Environmental Characteristics		
Operating Amb. Temp. & Hum	-30°C~70°C; 20%~90% RH Non-Condensing	
Storage Temp. & Hum	-40°C~85°C; 10%-95% RH Non-Condensing	
Safety Standards	IEC 60950-1:2005 (2nd Ed); UL60950-1 2nd Ed; EN60950-1: 2006	
Withstand Voltage	Primary-Secondary: 3.0KVAC;≤10mA. Primary-PG: 1.5KVAC;≤10mA. Secondary-PG: 0.5KVDC;≤10mA	
Isolation Resistance	≥100M ohms	
EMI Conduction & Radiation	Compliance to EN55022, Class B	
Harmonic Current	Compliance to EN61000-3-2, Class D	
EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; Heavy Industrial Level	
General Characteristics		
MTBF (MIL-HDBK-217F)	More than 200,000Hrs (25°C, Full load)	
Dimension (LxWxH)	226x116.5x41mm	
Packing	6PCS/CTN. G.W: 8.9kgs	
Cooling Method	Forced air cooling (built-in DC fan, the fan speed is controlled by load and internal temp.)	

## MECHANICAL SPECIFICATIONS



## DERATING CURVE



UNIT: mm