General

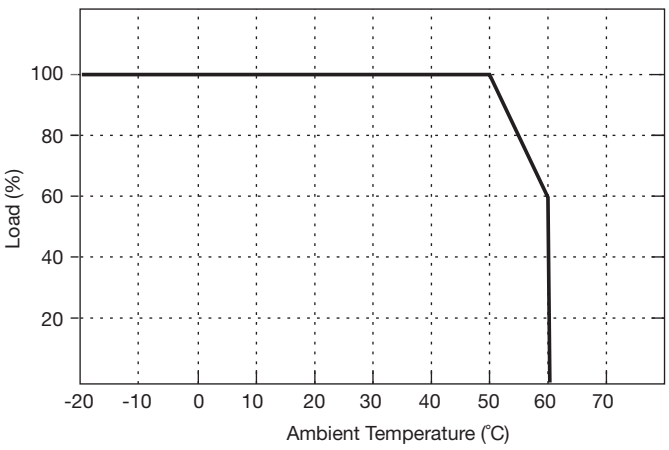
Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Efficiency	88		93	%	See Models and Ratings table
Isolation: Input to Output	3000			VAC	
Input to Ground	1500			VAC	
Output to Ground	500			VAC	
Switching Frequency		65		kHz	PFC
	40		200	kHz	PWM, variable
Power Density			14.4	W/in³	
Signals and Controls					Enable, Current Share, V Program, I Program, 5 V Standby, Power OK
Mean Time Between Failure		90		kHrs	MIL-HDBK-217F, 25 °C GB
Weight		7.94 (3.6)		lb (kg)	

Environmental

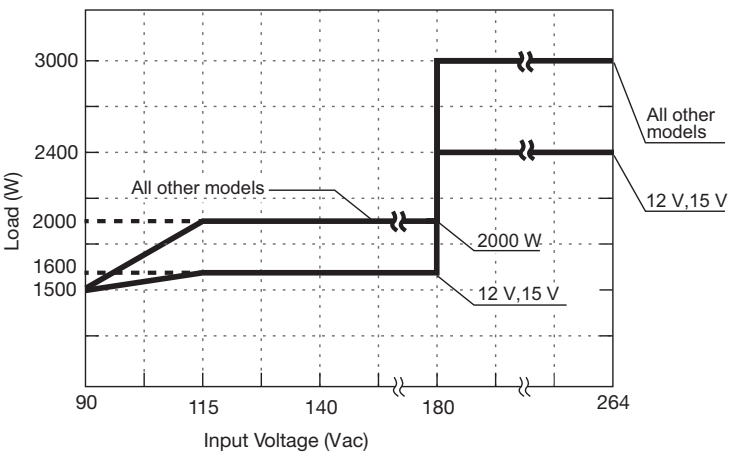
Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Operating Temperature	-20		60	°C	Derate linearly from 100% load at 50 °C to 60% load at 60 °C
Storage Temperature	-40		+85	°C	
Cooling					Internal fan fitted, speed increases with load and internal temperature
Humidity	20		90	%RH	
Operating Altitude			3100	m	
Vibration			2	g	10-500 Hz, 10 min/cycle, 60 min period for each axis, compliant to IEC68-2-16, IEC 68-2-64

Derating Curve

Thermal Derating Curve



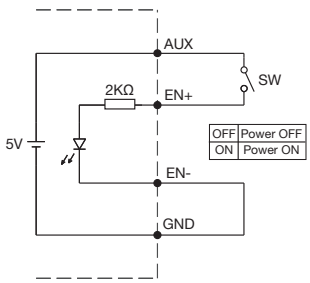
Input Derating Curve



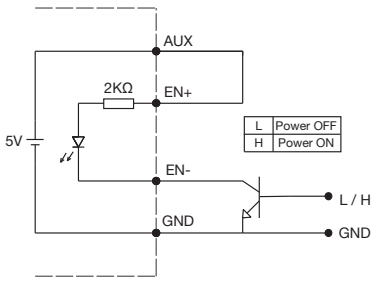
Signals & Controls

LED Status	Output Status
Solid (Green)	DC Output OK
Solid (Orange)	DC Output OK in remote control mode
Slow Blink (Green)	Output Not Enabled
Fast Blink (Red)	Over Voltage
Solid (Red)	Over Loaded
Slow Blink (Red)	Over Temperature
Intermittent Blink (Red)	Fan Fail
Short & Long Blink (Red)	AUX Standby Failure

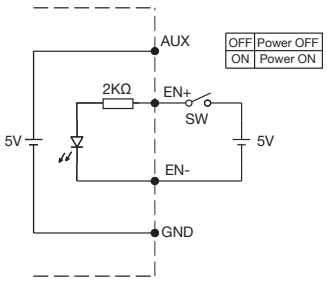
Remote Enable



(A) Using internal 5 V standby



(B) Using external transistor



(C) Using external voltage source

EMC: Emissions

Phenomenon	Standard	Test Level	Notes & Conditions
Conducted	EN55022	Class A	
Radiated	EN55022	Class A	
Harmonic Currents	EN61000-3-2	Class A	
Voltage Flicker	EN61000-3-3		

EMC: Immunity

Phenomenon	Standard	Test Level	Criteria	Notes & Conditions
ESD Immunity	EN61000-4-2	2 / 3	A	±4 kV contact / ±8 kV air discharge
Radiated Immunity	EN61000-4-3	3	A	
EFT/Burst	EN61000-4-4	3	A	10 V/m
Surge	EN61000-4-5	Installation class 3	A	
Conducted	EN61000-4-6	3	A	10 V
Magnetic Field	EN61000-4-8	3	A	30 A/m
Dips and Interruptions	EN55024	DIP: 30% 500 ms	A	
		INT: >95% 10 ms	A	
		INT: >95% 5000 ms	B	

Safety Approvals

Safety Agency	Safety Standard	Notes & Conditions
UL	UL60950-1	
CSA	C22.2 No.60950-1	
TUV	EN60950-1	