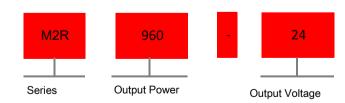




▲ Features

- Input:180-264VAC Peak load capability up to 130% Only110mm width Built-in active PFC function Efficiency >94%, Low power dissipation Protections:short circuit/overload/over voltage/over temperature Cooling by free air convection Built-in constant current limiting circuit Mounting: DIN rail TS-35/7.5 or 15 Parallel operation. Total power up to 3840W(3+1) Built-in DC OK relay contact 100% full load burn-in test 3 years warranty

▲ Model Encoding



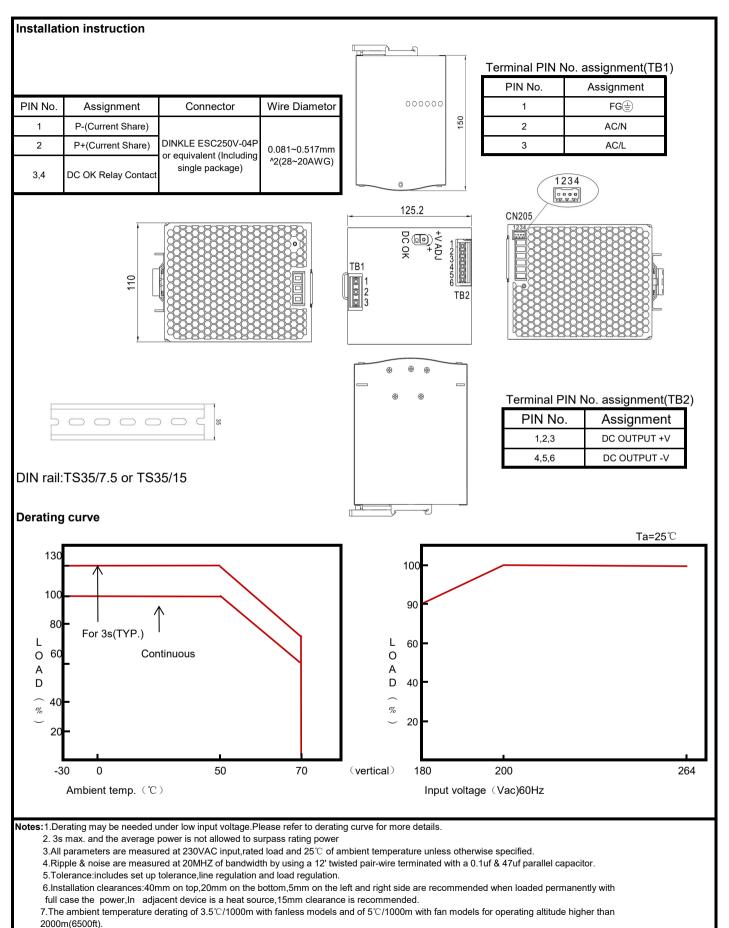
Mildoo

Specification					
Input					
Inpout voltage *1	180-264VAC 254-370VDC				
AC current	6A/230VAC				
Frequency range	47-63Hz				
Inrush current(max.)	Cold start: 50A/230VAC				
Output					
DC voltage	24	1	48V		
Rated current	404		20A		
	· · · · · · · · · · · · · · · · · · ·				
Current range	0-40		0-20A		
Rated power	960		960W		
Peak current	524	4	26A		
Peak power *2	1248W(3s)				
Rippl & noise(max.) *4	180m\	/р-р	250mVp-p		
/oltage ADJ. range	24-2				
/oltage tolerance *5	±19	6	±1%		
_ine regulation	±0.5	%	±0.5%		
Load regulation	±19	6	±1%		
Efficiency	94%	6	94%		
Start up, rise time	1000ms 100ms/230VAC (@Full load)				
Hold up time	14ms/230VAC(@Full load)				
Status indicator	Green LED				
Protection	0.000 222				
FIOLECTION	Normally works within $105 \sim 130\%$ rate	ed output power for more than 3 sec	conds and then shut down o/o voltage, automatically recover in 30		
Over load	Normally works within 105 ~ 130% rated output power for more than 3 seconds and then shut down o/p voltage, automatically recover in 30 seconds after the peak load is removed				
	Protection type: Constant current limiti	ng within130-150% of rating output,	shut down O/P in 3s, repower on to recover		
	29-33	3V	56-65V		
Over voltage	Protection type:Shut down O/P voltage ,auto-recover or re-power on to recover				
	90℃±5℃ (TSW) (Detect on the heat sink of power supply)				
Over temperature	Protection type: Shut down O/P voltage		temperature does down		
DC OK relay contact	The old the ol		erature goes down		
capacity	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load				
Parallel operation	Refer to function description				
Safety & EMC	· ·				
Withstand voltage	I/P-O/P'3KVAC I/P-EG'2KVAC O/P-E	G:0 5KVAC O/P-DC OK:0 5KVAC			
solation resistance	//P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC //P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC/25°C/70%RH				
Safety standards	Design refer to EN IEC 62368-1、GB4943.1				
Salety Standards	Ŭ		Test level		
	Parameter	Standard	Test level		
	Conducted	EN 55032	Class B		
EMC emission	Radiated	EN 55032	Class A		
	Voltage Flicker		Design refer to Class A		
	Harmonic Current	EN IEC 61000-3-2	Class A		
	Parameter	Standard	Test class		
	ESD	EN 61000-4-2	Level 3 8KV air;Level 2 4KV contact		
	Radiated Susceptibility	EN 61000-4-3	Level 3 10V/m		
EMC immunity	EFT/Burest	EN 61000-4-4	Level 3 2KV/5KHZ		
o miniumity	Surge	EN 61000-4-5	Level 3 2KV/L-N;Level3 4kV/L-N-FG		
	Conducted Magnetic Field	EN 61000-4-6 EN 61000-4-8	Level 3 10V Level 4 30A/m		
			<5% residual voltage for 0.5 cycles ,70% residual voltage		
	Voltage Dips and interruptions	EN 61000-4-11	25 cycles ,<5% residual voltage for 250 cycles:		
Environment					
Operating temperature	- 30~+70 $^\circ \!\! \mathbb{C}$ (Refer to "Derating curve")				
Storage temp & humidity					
Dperating humidity /ibration	20~95%RH,Non-condensing 10-500Hz,2G 10min/1 cycle, 60 min along with each X,Y,Z axes				
Customization(optional)		ated silica gel process, application	in barsh anvironment		

Milobo

Others				
MTBF	≥69.8Khrs MIL-HDBK-217F(25℃)			
Installation	TS35 DIN rail			
Protection class	IP20			
Weight	about 2.47kg			
Dimension	110*125.2*150mm(W*H*D)			
Data	Description	Model		
	M2R 960W 40A/24V	M2R960-24		
	M2R 960W 20A/48V	M2R960-48		





M2R960- Series 2023/06/28