

FEATURES

※ Universal AC input	※ Constant voltage design
※ Can be installed on DIN Rail TS-35/7.5 or 15	※ DC ok signal (Open collector type)
※ Short circuit protection	※ Over load protection
※ Over voltage protection	※ Over temperature protection

INPUT

Input range	100~240VAC
Input frequency	47 ~ 63 Hz
Power Factor (typ.)	PF > 0.9 / 230VAC at full load
Inrush current	45 A at 115VAC; 90A at 230VAC cold start at 25°C
Input current	0.75A/ 230VAC, 1.5A/ 115VAC,
Leakage current	<1.5mA at 50/60Hz 240VAC INPUT

OUTPUT

Model number	MDIN100W05	MDIN100W12	MDIN100W15	MDIN100W24	MDIN100W48
Output voltage	5Vdc	12Vdc	15Vdc	24Vdc	48Vdc
Output current	10A	7.5A	6A	4A	2A
Rated output power	50W	90W	90W	96W	96W
Output load efficiency	83%	86%	86%	86%	86%
Ripple & noise	100mV _{P-P}	150mV _{P-P}	150mV _{P-P}	200mV _{P-P}	300mV _{P-P}
Adjustment range	15%				
Hold-up time	50ms at full load and 230VAC nominal line				
Setup, Rise Time	max. 400ms, max. 30ms / 230VAC at full load				
Line Regulation	± 0.5%				
Load Regulation	± 1%				

SAFETY AND EMC REGULATIONS

Safety Standards	Compliance to EN62368-1
Withstand Voltage	IN/OUT: 3kVAC, IN/GND: 2kVAC, OUT/GND: 0.5kVAC
EMC Emission	Compliance to EN55032
EMC Immunity	Compliance to EN55035

ENVIRONMENTAL	
Operating temp.	-20°C to 50 °C ambient derate each output at 4.0% per degree from 50°C to 60°C
Storage temp.	- 40 °C to +85 °C
Operating humidity	5% to 95% (non-condensing)
MTBF	200,000 hours at full load and 25 °C ambient conditions (demonstrated)
Dimensions	100 x 90 x 55mm (L x W x H)

MECHANICAL SPECIFICATION

