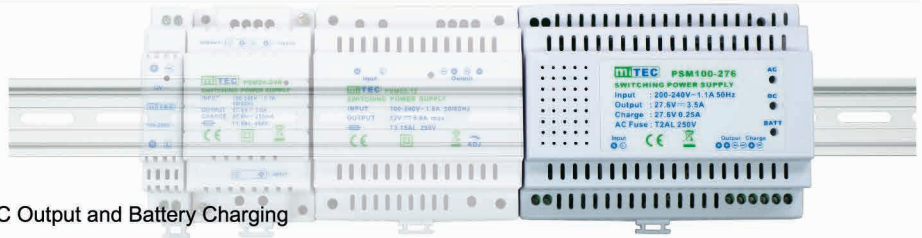


# 7U DIN-RAIL Power Supply

## PSM100

- Up To 100W Output Power
- Wide AC Input (AC200 – 240V)
- Cooling by Natural Air Convection
- Built-in Charger For Backup Battery
- Fully Input and Output Protections
- Safety Double Isolation
- LED Indicator For AC Power on, Normal DC Output and Battery Charging



### PRODUCT SPECIFICATIONS

MODEL	PSM100-12	PSM100-24	PSM100-138	PSM100-276
<b>INPUT</b>				
Rated Voltage (VAC)	200 – 240			
Voltage Range (VAC)	180 – 264			
Rated Frequency (Hz)	50			
Current (A)	≤ 1.1			
No Load Power Consumption (W)	≤ 1.0		≤ 2.0	
Energy Efficiency (%)	≥ 85 at full load			
<b>OUTPUT</b>				
Rated Voltage (VDC)	12.0	24.0	13.8	27.6
Voltage Range (VDC)	11.4 – 12.6	22.8 – 25.2	13.1 – 14.5	26.2 – 28.9
Voltage Adjust Range (VDC)	10.8 – 13.2	21.6 – 26.4	N/A	N/A
Rated Current (A)	8.4	4.2	7.0	3.5
Current Range (A)	0 – 8.4	0 – 4.2	0 – 7.0	0 – 3.5
Battery Charger Charging Current (mA)	N/A	N/A	500 max.	250 max.
Rated Power (W)	100	100	103	103
Ripple and Noise (mVp-p) See Note 2.	100 max.	120 max.	120 max.	150 max.
Rise Time (ms)	≤ 80 at full load			
Hold Up Time (ms)	≥ 50 at full load			
<b>PROTECTION</b>				
AC Input	Current fuse protection			
Output Short-Circuit	Hiccup mode occur and auto-recover without damage when fault conditions are removed.			
Output Over Voltage (V)	15 – 18	28 – 33	15 – 18	28 – 33
Output Over Current (A)	9.2 – 12.6	4.6 – 6.3	8.3 – 11.3	4.1 – 5.6
Over Temperature (°C)	110 ± 5 (output shutdown, reset by recycle AC input)			
Battery Low-Voltage (V)	N/A	N/A	9.0 – 10.5	19.0 – 20.5
Battery Connection Polarity Reverse	N/A	N/A	√	√
<b>ENVIRONMENT SPECIFICATION</b>				
Operating Temperature Range (°C)	-20 ~ +60			
Operating Humidity (%)	5 ~ 90 RH			
Storage Temperature (°C) / Humidity (%)	-25 ~ +70 / 5 ~ 90 RH			
<b>SAFETY</b>				
Safety Standard	Compliance to CE/LVD			
Withstand Voltage	Input to Output: 3KVAC			
Isolation Resistance	Input to Output: >20MH/500VDC at 25°C/70%RH			
<b>EMC See Note 3.</b>				
Emission	Compliance to EN55022 Class B			
Immunity	Compliance to EN55024, EN61000-4-2,3,4,5,6,8,11			
<b>LED INDICATOR</b>				
AC	N/A	Light up when AC power on		
DC	Light up at normal DC output and battery backup mode			
BATT	N/A	Light up at battery is charging		
<b>OTHERS</b>				
Dimensions (mm)	123(W) × 61(H) × 99(L)			
Weight (g)	370 approx.		380 approx.	