

PosMaster IPC 전원장치 Ver. 1.00

품 명 : PosMaster IPC 전원장치 Ver. 1.00

품목 Code : PMPLC-PS-BR-100

일반 사양 :

High dielectric strength

Can be connected in parallel for increased capacity and redundancy

Reliable operation due to long power failure bypass function under full load and high MTBF (>500,000 h)

International certification package

Wide temperature range from -25 to 70°C

Closed metal housing

상세사양 :

Input Voltage	100 to 240 VAC
Input Current	Approx. 3 A (100 VAC), Approx. 1.5 A (240 VAC)
Input Voltage range	AC 85~264V, 45~65 Hz
Output Voltage	24 VDC ±1%
Output Current	10 A

Model number	PMPLC-PS-BR-100
General information	
Status display	Green LED (DC OK), threshold value $U_{out} = 21.5 \text{ V}$
Isolation voltage	
Input - Output	4 kV AC (type test), 2 kV AC (routine test)
Input - PE	2 kV AC (type test), 2 kV AC (routine test)
Output - PE	500 VDC (type test)
Certification	
CE Yes	Yes
UL (cULus)	cULus E123528 Industrial control equipment
Input	
Nominal input	
Input voltage	100 to 240 VAC
Input current	AC 85 to 264 V (wide range), 45 to 65 Hz, 300 VAC (temporary)
Inrush current limitation	<15 A
Pt	0.7 A2s
Power failure bypass	>24 ms (120 VAC) >24 ms (230 VAC)
Switch-on time	<1 s (typical)
Power factor (cos φ)	0.99
Discharge current to PE	<3.5 mA
Protective circuit	Transient surge protection (varistor)
Internal fuse	6.3 A, slow-blow
Required line fuse for line protection	10 A 16 A (characteristic B)
Input voltage <90 VAC	Derating of the output current: 2.5% per °C
Output	
Nominal voltage	
Output power	240 W
Setting range for output voltage	22.5 to 29.5 VDC
Output current	
-25 to 55°C	10.0 A
>55°C	Derating: 2.5% per °C
Current limiting	Approx. 14 A (short circuit)
Control deviation	<1% (static load change 10 to 90%) <2% (dynamic load change 10 to 90%) <0.1% (input voltage change $\pm 10\%$)
Rise time	<2 ms (U_{out} (10 to 90%))
Max. capacitive load	Unlimited
Power back immunity	Max. 35 VDC
Efficiency, reliability	
Efficiency	>89%
Power dissipation	
Rated load	Max. 30 W
No-load operation	Max. 6.7 W
Ambient conditions	

Temperature	-25 to 70°C (>55°C derating)
Operation	-40 to 85°C
Storage	-40 to 85°C
Relative humidity	
Operation	Max. 95%, non-condensing
Mechanical properties	
Housing	Sheet metal, galvanized Side panels: Aluminum
Installation	Easy rail mounting (DIN rail NS 35, EN 60715)
Dimensions	
Width	60 mm
Height	130 mm
Depth	152.5 mm
Weight	1400 g

DIMENSION :



https://www.poscoict.com/business/smart_solution06.jsp