

# MIL-STD-461/1275, 18~36V DC input 300W Power Module

Extended  
Temperature  
+85°C  
-40°C

CPU Full Speed



## POWER AUTOMATION COMPUTER

- Wide Input Range: 18V to 36V DC
- 12V DC Output up to 25 Amp
- Indefinite short circuit Protection
- Over-voltage shutdown with auto-recovery
- Over temperature shutdown with auto-recovery
- EMI filters included
- Over current protection
- Compact size
- High efficiency (typ. 85%~90%)
- Extended Temperature -40°C to 85 °C  
(with conduction cooling)

## Specifications

### SYSTEM

Input Voltage	18V to 36V
Output	300W, 18V ~36V
Ripple	<300m
Line Regulation	<100 mV
Load Regulation	<100 mV
Efficiency	(typ. 93.5%)
Operation Temperature	-40 to 85°C
Storage Temperature	-40 to 85°C
Dimension	Dimension 170(L) x 70(W) mm
MIL-STD-461E	MIL-STD-461E : CE102 basic curve, 10kHz - 30 MHz RE102-4, (1.5 MHz) -30 MHz - 5 GHz RS103, 80 MHz - 3 GHz
EMI/EMS	EN55011,EN55032 CISPR32 ClassA IEC61000-4-2, Contact Discharge Level 4(8kV) Air Discharge Level 4(15kV) IEC61000-4-3, 12V/m : (80MHz~1.0GHz) 3.6V/m : (1.4~2.0GHz) 1.2V/m : (2.0~2.7GHz) 80% Amplitude modulated IEC61000-4-4, Level 4 (4KV) Repetition Rate : 5kHz and 100kHz IEC61000-4-5, Line to Line : Level 4 (2KV) Line to Earth : Level 4 (4KV)

## Ordering Information

SK711 300W DC/DC Converter Module with 18V  
to 36V (-40 to 85°C)