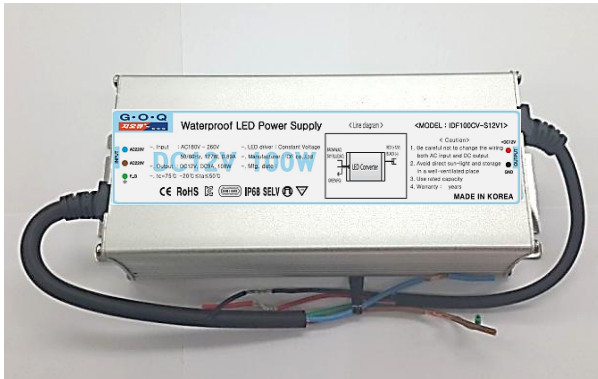


* 100W Converter(IDF100CV-S12V1) *

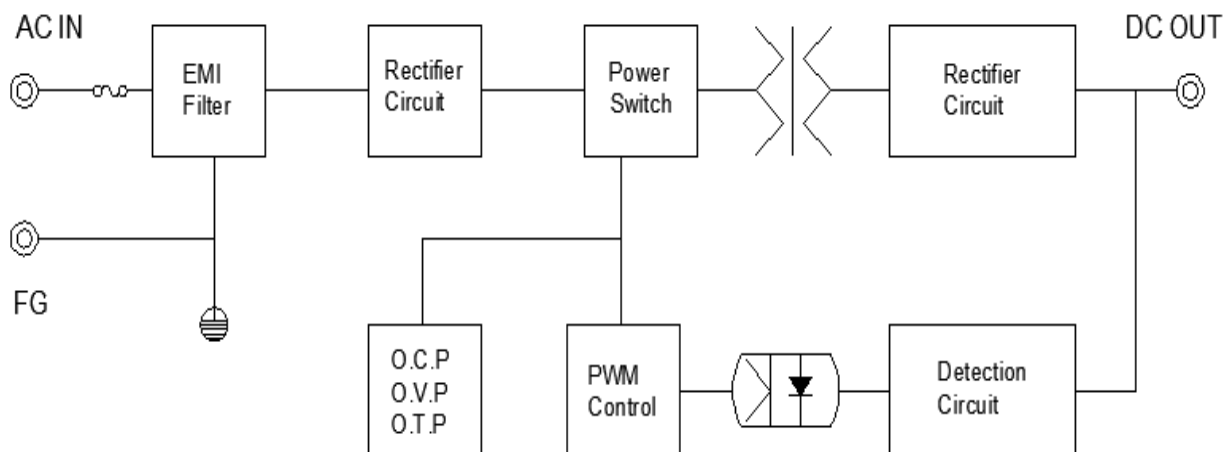


- AC Input voltage : AC 180 ~ 260V
- Constant voltage design(C.V.mode)
- Protection :
Overload / Over voltage / Short circuit
- Design for outdoor installation : IP68
- Most preferred best seller converter :
CE, RoHS, SELV certified

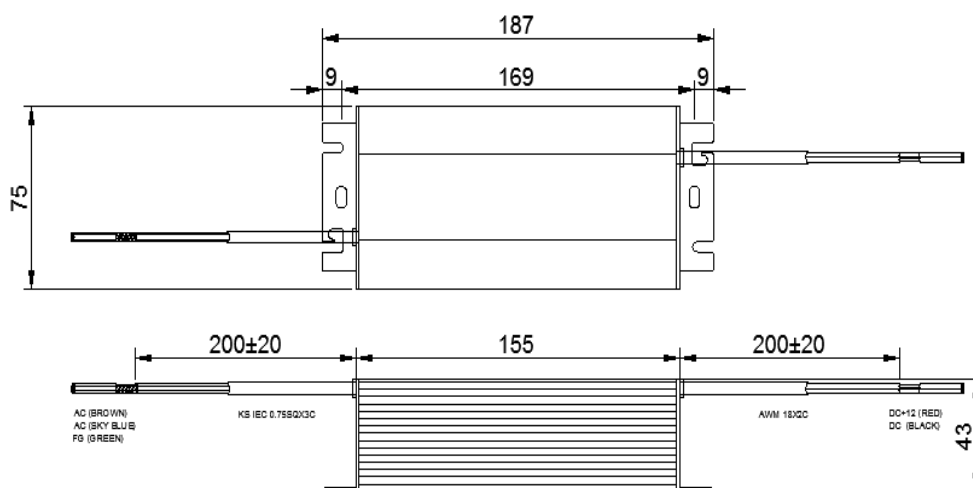
1) Spec

ITEM		IDF100CV-S12V1
INPUT	VOLTAGE RANGE	AC 180V ~ 260V
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR	0.6
	AC CURRENT(TYP.)	0.89A/220VAC
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	9 A
	RATED POWER	108 W
	VOLTAGE TOLERANCE	± 5 %
INPUT / OUTPUT POWER CONSUMPTION		80% EFFICIENCY(TYP.)
PROTECTION	SHORT CIRCUIT	recovers automatically after fault condition is removed
	OVERLOAD	120%
	OVER VOLTAGE	105~140 % of rating output voltage
ISOLATION	WITHSTAND VOLTAGE	I/P-O/P : AC 3KV, I/P-F.G : AC 1.5KV, O/P-F.G : AC 0.5KV
ENVIRONMENT	WORKING TEMP. & HUMID.	T _c =75°C, -20°C ≤ t _a ≤ 50°C, 20% ~ 95%RH
	STORAGE TEMP. & HUMID.	-40°C ~ +75°C, 10% ~ 95%RH
OTHERS	DIMENSION	187*75*46 mm
	PACKING	0.9 Kg

2) BLOCK DIAGRAM



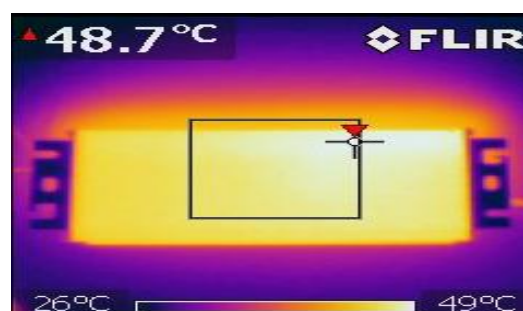
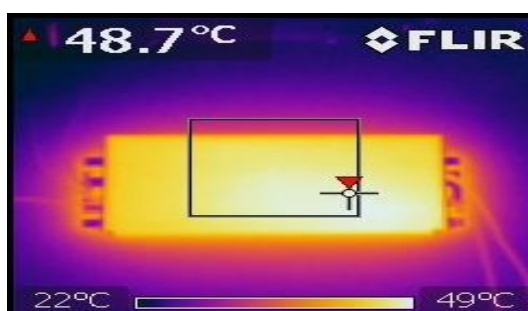
3) DIMENSIONS(unit:mm)



- Wire spec

- i) UL 2464 Core Cable
- ii) 18AWG : 1.02mm, 0.823mm², 0.021Ω/m, 7~16A

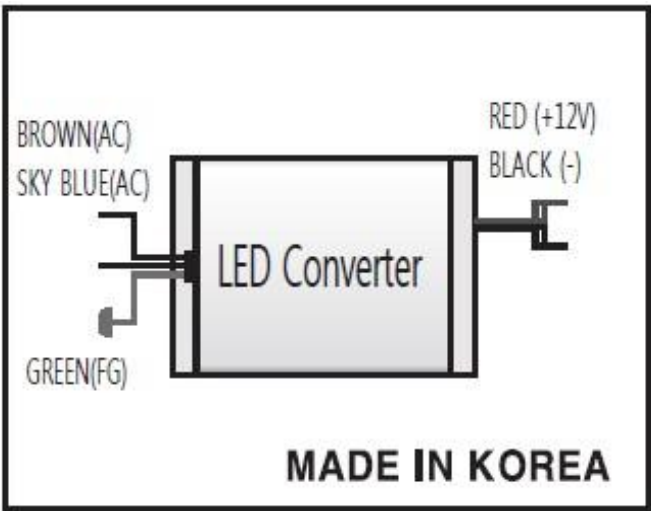
4) The Surface Temperature of the Maximum Load(=108W)



5) Caution

- 1. Be careful not to change the wiring both AC input and DC output
- 2. Avoid direct sun-light and storage in a well-ventilated place
- 3. Use rated capacity only

6) Line diagram



7) Maximum quantity for LED module(GOQ LED module)

SMPS(W)	100W
LED Module	
1-LED module(0.72W)	150 EA
1-LED COLOR module(0.3W)	360 EA
2-LED MINI module(0.72W)	150 EA
2-LED MINI COLOR module(0.72W)	150 EA
3-LED module(1.08W)	100 EA
3-LED MINI module(0.48W)	220 EA
4-LED module(2.16W)	50 EA
4-LED COLOR module(1.44W)	75 EA