

HSG/ULP/FDL series

HSG-70 series 70W Rectangular Metal Case



L127.2x W90x H38.8 mm

- Constant voltage + constant current modes
- Output current adjustable through internal potentiometer
- Built-in active PFC function
- IP65 design
- Suitable for LED lighting and moving sign applications
- Protections: Short circuit / Over current / Over voltage / Over temperature
- 3 years warranty

AC input voltage range		90~305VAC; 127~431VDC
Current adjustment range		60%~100%
Over current protection		95%~108% constant current limiting
Over voltage protection		112%~140% rated output voltage
Withstand voltage		I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC
Working temperature		-40~+70℃
Safety standards		Design refer to UL 8750, EN61347-1, EN61347-2-13
EMC standards		EN55015, EN61000-3-2 class C, EN61000-3-3, EN61547, EN61000-4-2,3,4,5,6,8,11
Connection	Input	H05RN-F 1.0mm²x3C (30cm)
	Output	CCC 1.5mm²x2C (30cm)

Model No.	Output	Tol.	R&N	Effi.
HSG-70-12	12V, 0~5A	±2.5%	150mV	88%
HSG-70-18	18V, 0~4A	±2.0%	200mV	89%
HSG-70-24	24V, 0~3A	±1.0%	200mV	89%
HSG-70-36	36V, 0~2A	±1.0%	200mV	90%
HSG-70-48	48V, 0~1.5A	±1.0%	200mV	90%

ULP-150 series 150W U-Bracket Single Output with PFC



L215x W67.4x H33 mm

- Constant voltage mode
- High efficiency up to 93%
- U-bracket low profile: 33mm
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- 3 years warranty

AC input voltage range	90~295VAC; 127~417VDC
AC inrush current (max.)	Cold start, 65A at 230VAC
Overload protection	130%~185% hiccup mode, auto-recovery
Over voltage protection	110%~135% rated output voltage
Setup, rise, hold up time	500ms, 100ms, 16ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC
Working temperature	-30~+70°C
Safety standards	Design refer to UL8750, EN61347-1, EN61347-2-13
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61547, EN61000-4-2,3,4,5,6,8,11

Model No.	Output	Tol.	R&N	Effi.
ULP-150-12	12V, 0~12.5A	±2%	100mV	91.5%
ULP-150-15	15V, 0~10A	±2%	150mV	91.5%
ULP-150-24	24V, 0~6.3A	±2%	150mV	93.0%
ULP-150-36	36V, 0~4.2A	±2%	250mV	93.0%
ULP-150-48	48V, 0~3.2A	±2%	250mV	93.0%

FDL-65 series 65W Metal Case with PFC



L151 x W53 x H31.5mm

- Constant current mode
- IP65 design
- No load power consumption <0.5W
- Suitable for LED flooding lighting, moving sign
- Protections: Short circuit / Over voltage / Over temperature
- 3 years warranty

AC input voltage range	180~295VAC; 254 ~ 417VDC
Over voltage protection	90%~105% rated output voltage
Over temp. protection	Hiccup mode, auto-recovery after fault condition is removed
Withstand voltage	I/P-O/P:3.75KVAC, I/P-FG:2KVAC, O/P-FG:1.5KVAC
Working Temperature	-40 ~ +70°C (Refer to "Derating Curve")
Safety Standards	LVD EN61347-1, EN61347-2-13, GB19510.1, GB19510.14 approved
EMC Standards	EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61547, GB17743, GB17625.1, EN61000-4-2,3,4,5,6,8,11

Model No.	Output	Io	Tol.	R&N	Effi.
FDL-65-1550	25.2~42V	770~1550mA	±5%	4.2V	90%

Model No.	Output	Io	Tol.	R&N	Effi.
FDL-65-1800	21.6~36V	900~1800mA	±5%	3.6V	90%