

Model: XV200W12  
 XV200W24  
 XV200W36  
 XV200W48



Model	Input Current Type	Input Voltage Range	Rated Output Power	Rated Output Current	Rated Output Voltage	Typical Efficiency	Certification
XV200W12	≤1.2A	220-240VAC	200W	0-16.6A	12V	91%	CE
XV200W24	≤1.2A	220-240VAC	200W	0-8.33A	24V	92%	CE
XV200W36	≤1.2A	220-240VAC	200W	0-5.55A	36V	92%	CE
XV200W48	≤1.2A	220-240VAC	200W	0-4.16A	48V	93%	CE

### 1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	IP Grade	IP67
	Insulation Class	Class I
	Installation	Independent
Input	Rated Input Voltage	220-240Vac
	Operating Input Voltage	176-264Vac
	Input Frequency	Rated 50/60Hz
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% 230VAC,50-60Hz,100% loading
	Input Current	≤1.2A (230VAC, full load)
	Leakage Current	0.7mAmax @240Vac 50Hz, IEC61347-1
	Input Under/Over Voltage	No damage of wrong mains voltage: 0V AC to 340V AC, 10minutes maximum
	Standby Power	<0.5W
Lightning Surge	6KV line-line; 10KV line-earth	
Output	Ripple Current(< 120 Hz)	±5%
	PstLM	≤1
	SVM	≤0.4
	Current Accuracy	±5%
	Line Regulation	±5%
	Load Regulation	±5%
	Overshoot	Constant current type <110%lo

	Start-up Time	≤0.5S @230Vac
	Hold up Time	10mS typical @ 230VAC
	Efficiency	≥90%, 91% typical @230Vac, refer to Efficiency vs. Load curve
Protection	Short Circuit	Auto recovery
	Over Current	Auto recovery
	Over Voltage	Auto recovery
	Over Temperature	Auto recovery
Environment	Operating Ambient Temperature	-40℃~+50℃, 10%RH~100%RH, Rated Load
	Storage Temperature	-40℃~+80℃; 5%RH~100%RH
	Operating Case Temperature for Safety	-40℃~+50℃; 5%RH~100%RH
	Operating Case Temperature for Warranty	-40℃~+80℃; Case temperature for 5 years warranty. Humidity: 10% RH to 100% RH.
Standards	Certification	CE
	Safety Standards	GB19510.1/IEC61347-1 GB19510.14/61347-2-13
	EMC Standards	GB17625 GB17743 EN55015 EN61000-3-2 Class C EN61000-3-3
Others	MTBF	250 Khours, 10% failure rate,MIL-HDBK-217F
	Lifetime	50,000 hours, <70℃
	Dimensions	210×66.4x36.7mm(L*W*H)
	Net Weight	947g/PC
	Wiring	Input VDE: H05RN-F/3X1.0mm,Brown/Blue/(Yellow/Green) Output VDE: H05RN-F/2X1.0mm,Brown/Blue,
Notes: Unless specified, all the test results are measured in 25℃ room temperature. * marked items are optional and contact with sales people to get the functions.		

## 2. Connected quantities of different current Breaker

TYPE	Connected quantities of different current Breaker						Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20	25			
	Installation wire diameter	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	4mm <sup>2</sup>			
	TYPE B	14	18	22	27	34	@230VAC	44	288us
	TYPE C	22	28	35	44	55			
	TYPE D	35	45	56	70	87			

### 3. Label

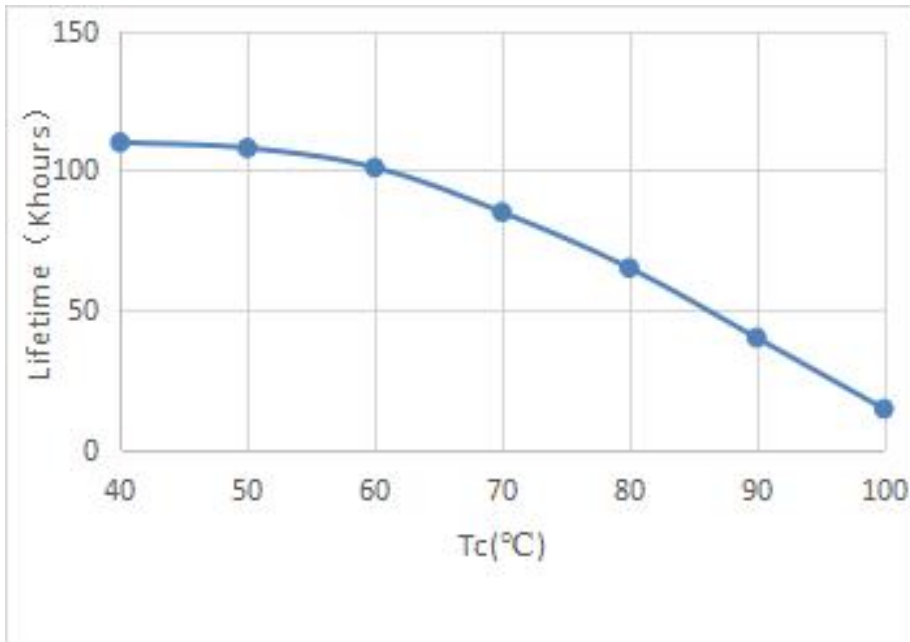
<p><b>INPUT</b></p> <p><input type="radio"/> ACL BN</p> <p><input type="radio"/> ACN BU</p> <p><input checked="" type="radio"/> ---GN/YR</p> <p>MADE IN CHINA www.kg-power.com S/N:</p>	<p><b>KGP</b> LED Driver KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid</p> <p>MODEL: XV200W12</p> <p>INPUT: 220-240V~Max 1.2A 50/60Hz PF:0.95</p> <p>OUTPUT: 12V 0-16.6A 200W</p> <p>Suitable for Dry, Damp and Wet Locations.</p> <p>For LED Module only</p> <p>CE SELV IP67</p>	<p><b>OUTPUT</b></p> <p>Vo+---BN <input type="radio"/></p> <p>Vo- ---BU <input type="radio"/></p>
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<p><b>INPUT</b></p> <p><input type="radio"/> ACL BN</p> <p><input type="radio"/> ACN BU</p> <p><input checked="" type="radio"/> ---GN/YR</p> <p>MADE IN CHINA www.kg-power.com S/N:</p>	<p><b>KGP</b> LED Driver KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid</p> <p>MODEL: XV200W24</p> <p>INPUT: 220-240V~Max 1.2A 50/60Hz PF:0.95</p> <p>OUTPUT: 24V 0-8.33A 200W</p> <p>Suitable for Dry, Damp and Wet Locations.</p> <p>For LED Module only</p> <p>CE SELV IP67</p>	<p><b>OUTPUT</b></p> <p>Vo+---BN <input type="radio"/></p> <p>Vo- ---BU <input type="radio"/></p>
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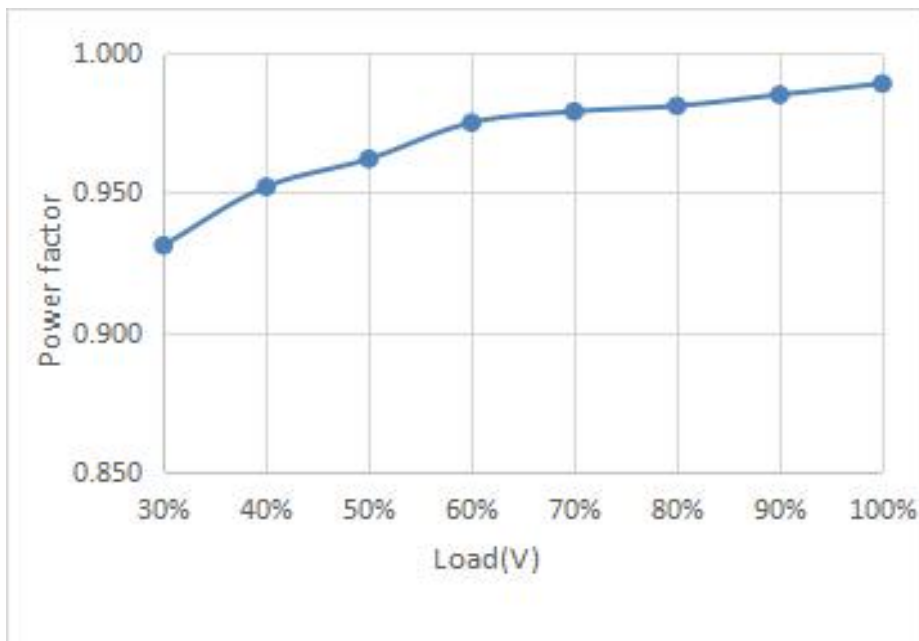
<p><b>INPUT</b></p> <p><input type="radio"/> ACL BN</p> <p><input type="radio"/> ACN BU</p> <p><input checked="" type="radio"/> ---GN/YR</p> <p>MADE IN CHINA www.kg-power.com S/N:</p>	<p><b>KGP</b> LED Driver KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid</p> <p>MODEL: XV200W36</p> <p>INPUT: 220-240V~Max 1.2A 50/60Hz PF:0.95</p> <p>OUTPUT: 36V 0-5.55A 200W</p> <p>Suitable for Dry, Damp and Wet Locations.</p> <p>For LED Module only</p> <p>CE SELV IP67</p>	<p><b>OUTPUT</b></p> <p>Vo+---BN <input type="radio"/></p> <p>Vo- ---BU <input type="radio"/></p>
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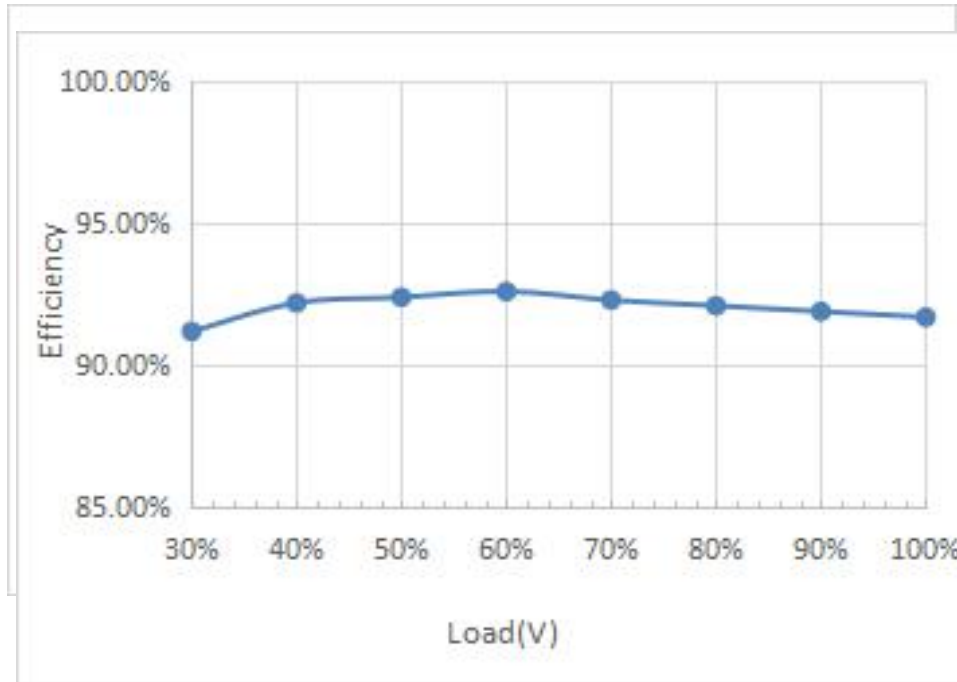
<p><b>INPUT</b></p> <p><input type="radio"/> ACL BN</p> <p><input type="radio"/> ACN BU</p> <p><input checked="" type="radio"/> ---GN/YR</p> <p>MADE IN CHINA www.kg-power.com S/N:</p>	<p><b>KGP</b> LED Driver KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid</p> <p>MODEL: XV200W48</p> <p>INPUT: 220-240V~Max 1.2A 50/60Hz PF:0.95</p> <p>OUTPUT: 48V 0-4.16A 200W</p> <p>Suitable for Dry, Damp and Wet Locations.</p> <p>For LED Module only</p> <p>CE SELV IP67</p>	<p><b>OUTPUT</b></p> <p>Vo+---BN <input type="radio"/></p> <p>Vo- ---BU <input type="radio"/></p>
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### 4. Lifetime vs. Case Temperature



### 5. Power Factor, THD and Efficiency vs. Load



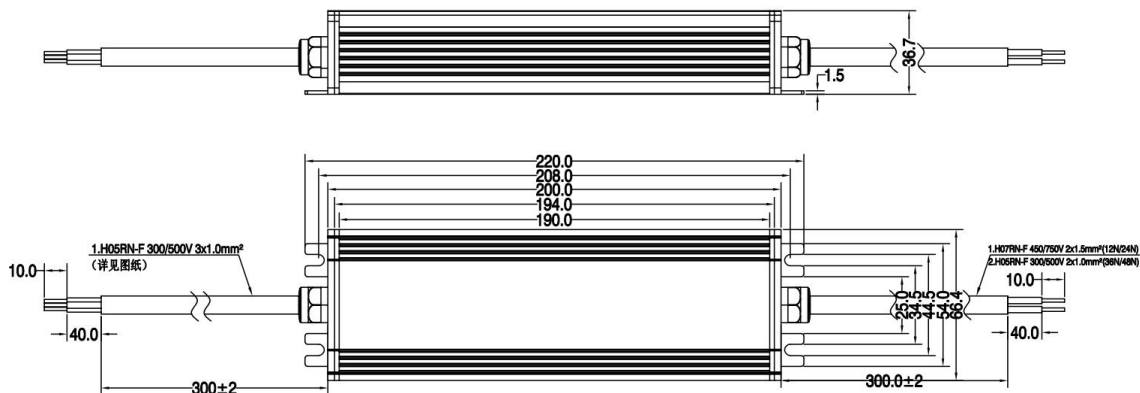


### 6. Packing information

Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
265*260*215	15Pcs	0.947	14.205	15.3

### 7. Mechanical Design

#### - VDE Cable



### 8. Wiring instructions

- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 m
- Incorrect wiring can damage LED modules.
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)