

Advantages

- Adopting LLC circuit scheme and synchronous rectification technology, miniaturization design, high efficiency, high power factor, low total harmonics.
- 0/1-10V / DALI / 2.4G RF / PWM / PUSH / Zigbee dimmable, and non dimmable
- Certified by ETL, TUV, SAA, C-Tick, CB, CE, RoHS.
- Input voltage 90-305Vac, suitable for around the world
- Dimming range: 1%-100%
- 50000 hours life and 5 years warranty



IP67 SELV

Model list

Input Voltage 90-305V

Input characteristics	Input voltage			Power factor		low harmonic		Anti lightning strike		Dielectric strength			Surge current					
	90-305V/ 100-130V			>0.98 Flicker Free		8%		common mode 6KV differential mode 4KV		I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC			100A(Max)					
Constant Voltage																		
Model:	DR-CV-100			DR-CV-150			DR-CV-200			DR-CV-250			DR-CV-300			DR-CV-400		
output (V)	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η
12V	8.0A	96W	95%	10A	120W	95%	13A	150W	95%	16A	192W	95%	20A	240W	95%	24A	288W	95%
24V	4.5A	108W	95%	6A	144W	95%	7.5A	180W	95%	10A	240W	95%	13A	300W	95%	15A	360W	95%
36V	3.0A	108W	95%	4A	144W	95%	5.0A	180W	95%	6.6A	240W	95%	8.3A	300W	95%	10A	360W	95%
48V	2.3A	108W	95%	3A	144W	95%	3.8A	180W	95%	5.0A	240W	95%	6.3A	300W	95%	7.5A	360W	95%
Constant Current																		
Model:	DR-CC-100			DR-CC-150			DR-CC-200			DR-CC-250			DR-CC-300			DR-CC-400		
output(V)	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η
(36)34-38V	3.0A	108W	95%	4.0A	144W	95%	5.0A	180W	95%	6.6A	240W	95%	8.3A	300W	95%	10A	360W	95%
(48)45-51V	2.3A	108W	95%	3.0A	144W	95%	3.8A	180W	95%	5.0A	240W	95%	6.6A	300W	95%	7.5A	360W	95%
(60)54-66V	1.8A	108W	95%	2.4A	144W	95%	3.0A	180W	95%	4.0A	240W	95%	5.0A	300W	95%	6.0A	360W	95%
(72)67-76V	1.5A	108W	95%	2.0A	144W	95%	2.5A	180W	95%	3.3A	240W	95%	4.2A	302W	95%	5.0A	360W	95%
(84)79-89V	1.3A	108W	95%	1.7A	144W	95%	2.2A	180W	95%	2.8A	240W	95%	3.6A	302W	95%	4.3A	360W	95%
Size(mm)	158*42*28			175*44*32			194*56*35			215*62*38			227*68*39			245*69*40		
weight(g)	480			550			616			984			1225			1300		

230V Single Input Voltage

Input characteristics				Input voltage		Power factor		low harmonic		Anti lightning strike		Dielectric strength		Surge current											
				200-264V		>0.98 Flicker Free		8%		common mode 6KV differential mode 4KV		I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC		100A(Max)											
Constant Voltage																									
Model:		DR-CV-100				DR-CV-150				DR-CV-200				DR-CV-250				DR-CV-300				DR-CV-400			
input(V)		Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η						
12V		9.0A	108W	95%	12A	144W	95%	15A	180W	95%	20A	240W	95%	25A	300W	95%	30A	360W	95%						
24V		5.0A	120W	95%	6.6A	158W	95%	9.4A	216W	95%	13A	300W	95%	15A	360W	95%	19A	450W	95%						
36V		3.4A	120W	9%	4.4A	158W	95%	6.0A	216W	95%	8.3A	300W	95%	10A	360W	95%	13A	450W	95%						
48V		2.6A	125W	95%	3.5A	168W	95%	4.7A	225W	95%	6.3A	300W	95%	7.8A	375W	95%	9.4A	450W	95%						
Constant Current																									
Model:		DR-CC-100				DR-CC-150				DR-CC-200				DR-CC-250				DR-CC-300				DR-CC-400			
input(V)		Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η	Iout(A)	Power	η						
(36)34-38V		3.4A	120W	95%	4.4A	158W	95%	6.0A	216W	95%	8.3A	300W	95%	10A	360W	95%	13A	450W	95%						
(48)45-51V		2.6A	125W	95%	3.5A	168W	95%	4.7A	225W	95%	6.3A	300W	95%	7.8A	375W	95%	9.4A	450W	95%						
(60)54-66V		2.1A	126W	95%	2.8A	168W	95%	3.8A	228W	95%	5.0A	300W	95%	6.3A	378W	95%	7.5A	450W	95%						
(72)67-77V		1.8A	130W	95%	2.5A	180W	95%	3.2A	230W	94%	4.2A	302W	94%	5.3A	381W	95%	6.3A	450W	95%						
(84)79-89V		1.6A	135W	95%	2.2A	185W	95%	2.8A	235W	94%	3.6A	302W	94%	4.6A	386W	95%	5.4A	454W	95%						
Size(mm)		158*42*28				175*44*32				194*56*35				215*62*38				227*68*39				245*69*40			
weight(g)		480				550				616				984				1225				1300			

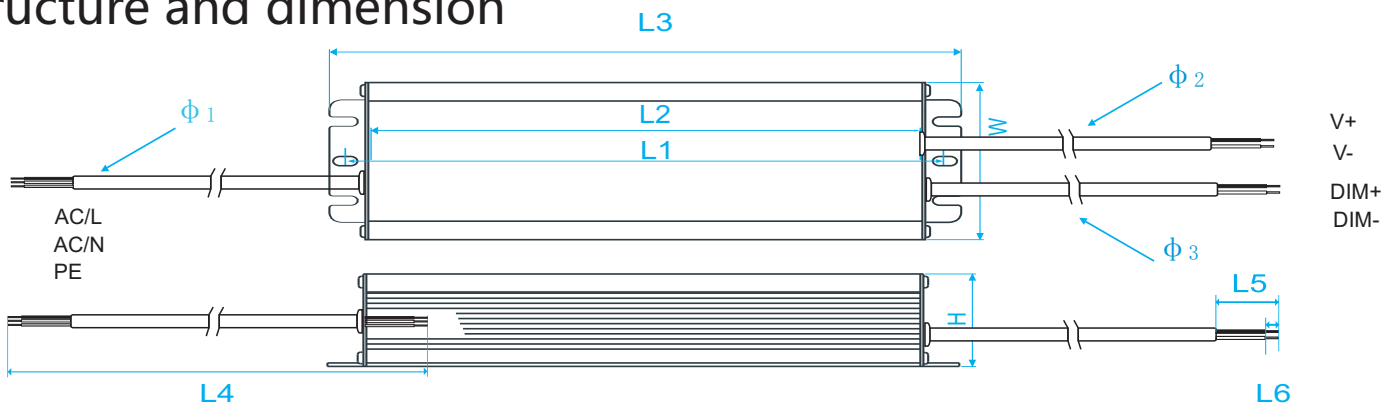
Environment and safety

Envir onment	operating	-30 ~ +60°C,5-95%RH	Vibration	5-500Hz/5G, 12min/T
	storage	-40 ~ +85°C,5-95%RH	Altitude	-65m~4000m
	TC	±0.03%/°C(0-50°C)	cooling-down	natural cooling
safety & EMC	certificate	safety standards		status
	SAA	AS/NZS61347.2.13		✓
	CE	EN61347-2-13:2014		✓
	ETL	UL 8750:2011 Ed.6+R:01Feb2017		✓
	TUV	EN61347-2-13:2014;EN62493:2015		✓
	Pressure	I/P-O/P:3.75KVAC IP-FG:2KVAC O/P-FG:1.5KVAC		
	Insulation resistance	I/P-O/P I/P-FG O/P-FG:10MΩ/500VDC/25°C/70%RH		
	EMI conduction	EN55022,EN55015 Class C(@load>50%);		
	EMI radiation	EN61547,ENV5024,EN61000-4-2/3/4/6/8/11		

Dimming and protection

dimming	Description
0-10V	Dimming shutdown at 0.5V, start at 0.7V; can be customized for 1-10V
PWM	PWM Level: 3.3V-10V, Frequency: 200Hz-10KHz
DALI	DALI Protocol 1.0,compatible with all major DALI dimming systems
PUSH	Dimming by long press, turn on and off by short press
Zigbee	Suitable for Philips HUE,Osram Lightify and other gateways base on Zigbee 3.0
2.4G RF Wirelee	Wireless dimming by using remote controller
Non dim	only switching on and off
OTP	95°C-107°C,As the temperature of the case rises, the output power drops
SCP	will not be damaged in long-time short-circuit, S-C power<15W
Life	50,000 hours (230Vac, full load, case temperature 75°C)

Structure and dimension



Unit : mm	hole spacing	cover length	overall length	width	height	cable length	shell	wicking	input wire	output wire	dimming wire
Model	L1	L2	L3	W	H	L4	L5	L6	φ1	φ2	φ3
DR-CV/CC-100	148	140	158	42	28						
DR-CV/CC-150	165	155	175	44	32						
DR-CV/CC-200	184	170	194	56	35						
DR-CV/CC-250	205	185	215	62	38						
DR-CV/CC-300	217	200	227	68	39						
DR-CV/CC-400	235	215	245	69	40						

Dimming type

dimming model	Triac	0/1-10V	DALI	PWM	PUSH	Zigbee/Wifi	2.4G RF wireless	Timing
DR-CV/CC-100		✓	✓	✓	✓	✓	✓	✓
DR-CV/CC-150		✓	✓	✓	✓	✓	✓	✓
DR-CV/CC-200		✓	✓	✓	✓	✓	✓	✓
DR-CV/CC-250		✓	✓	✓	✓	✓	✓	✓
DR-CV/CC-300		✓	✓	✓	✓	✓	✓	✓
DR-CV/CC-400		✓	✓	✓	✓	✓	✓	✓

Packing

