

Product Overview

LW Series High-Speed Highway Remote Power Supply Products



Highway power generator

Model		LW31-***K LW33-15K LW33-20K LW33-30K LW33-45K LW33-60K LW33-100K								
Rated Cap.		5KVA	7.5KVA	10KVA	15KVA	20KVA	25KVA	30KVA	40KVA	50KVA
Circuit Type		IGBT/PWM pulse width modulation method								
AC In.	Phase No.	3-phase 4-wire			BP In.	Phase No.	4-phase, 2-wire			
	Rated Volt.	380V				Rated Volt.	380V			
	Input Volt. Range	380V±20%				Input Volt. Range	380V±20%			
	Freq.	40Hz-60Hz				Freq.	40Hz-60Hz			
	PF	0.99								
output	Phase No.	1-phase								
	Waveform	Pure sine wave								
	Volt.	800V±20%								
	Volt. Regulation Rate	≤1%								
	Freq.	50Hz								
	Freq. Stability	≤0.1%								
	THD	THD≤3%								
	Eff.	≥90% (100%load)								
Response Time	≤2ms									

	Load Adaptability	There are no type restrictions; it is suitable for various inductive, resistive, capacitive, and mixed loads.
	Operating Char.	Suitable for continuous long-term operation, features isolated transformer output, and offers high reliability.
	Display	LCD screen
	Cooling Method	Fan cooling
	Output Protection	It has comprehensive protection functions and alarm devices against overvoltage, overcurrent, short circuit, and overheating.
Env.	Insulation Impedance	DC $\geq 500V$ 10M Ω
	Dielectric Strength	AC 1800V 5mA/1 minute
	Operating Temp.	-10 $^{\circ}C$ -50 $^{\circ}C$
	RH	0-90% (Non-condensing state)
	Altitude	≤ 2000 meter
	Noise Level	<55dB
	Lightning Prot. Perf.	Suitable for lightning protection zones 1-2, nominal discharge current (8/20 μ S) 50KA, Response speed <1 μ S

Terminal power isolation converter

	Model	LW11-***K								
	Rated Cap.	500VA	1VA	2VA	3VA	5VA	8VA	10VA	12VA	20VA
	Circuit Type	IGBT/PWM pulse width modulation method								
AC In.	Phase No.	1-phase								
	Rated Volt.	800V								
	Input Volt. Range	800V \pm 30%								
	Input Freq.	40Hz-60Hz								
	Phase No.	1-phase								
output	Waveform	Pure sine wave								
	OUT Volt.	220V								
	Volt. Regulation Rate	$\leq 1\%$								
	OUT Freq.	50Hz								
	Freq. Stability	$\leq 0.1\%$								
	THD	THD $\leq 3\%$								
	Eff.	$\leq 90\%$ (100% load)								
	Response Time	≤ 2 ms								
	Load Adaptability	No type restrictions, suitable for various inductive, resistive, capacitive, and mixed loads								
	Operating Char.	Long-term continuous operation, isolated transformer output, high reliability								
	Display	High-precision four-digit digital LED display								
	Cooling Method	Fan cooling								
	OUT Prot.	Complete over-voltage, over-current, short-circuit, and over-temperature protection functions and alarm devices								
	Insulation Res.	DC $\geq 500V$ 10M Ω								
Env.	Dielec. Strength	AC1800V 5mA/1 minute								
	Env. Temp.	-10 $^{\circ}C$ -50 $^{\circ}C$								
	Env. RH	0-90% (non-condensing)								
	Env. Altitude	≤ 2000 meters								
	Env. Noise	<55dB								
	Lightning Prot. Perf.	Suitable for lightning protection zones 1-2, nominal discharge current (8/20 μ S) 50KA, response speed <1 μ S								