



中国强制性产品认证



Specifications	LGK-105IGBT	LGK-120IGBT	LGK-160IGBT	LGK-200IGBT	LGK-300IGBT	LGK-400IGBT
standards of power supply	300~380v/50Hz ±10%	300~380v/ <b>220V</b> /50Hz ±10%	300~380v/50Hz ±10%	300~380v/50Hz ±10%	300~380v/50Hz ±10%	300~380v/50Hz ±10%
Input power	18.4KVA	22.4KVA	32.2KVA	38 KVA	72KVA	95 KVA
Rated output current	105A	120A	160A	200A	300A	400A
Rated output voltage	123V	128V	140V	150V	170V	190V
Rated load durability	100%	100%	100%	100%	100%	100%
No-load voltage	300VDC	300VDC	315VDC	315VDC	380VDC	380VDC
Current regulation range	30~105A	30~120A	30~160A	40~200A	40~300A	40~400A
Input copper core wire cross-sectional area (mm <sup>2</sup> )	≥6 <sup>2</sup>	≥6 <sup>2</sup>	≥10 <sup>2</sup>	≥16 <sup>2</sup>	≥25 <sup>2</sup>	≥35 <sup>2</sup>
Fuse (A)	60	60	80	125	150	200
Switching capacity	60	63	80	125	150	200
Mass perforation thickness (Carbon steel)	0.3~16mm	0.3~18mm	0.3~20mm	0.3~25mm	0.3~35mm	0.3~45mm
Maximum perforation thickness (Carbon steel)	16mm	18mm	20mm	25mm	35mm	45mm
Use plasma gas	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air	Compressed air
Working plasma gas pressure	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa
Torch cooling method	Air cooling	Air cooling	<b>Water cooling</b>	<b>Water cooling</b>	<b>Water cooling</b>	<b>Water cooling</b>
Arc ignition method	Non-contact ignition (High frequency arc ignition)					
Insulation class	F (Grade)					
Shell protection level	IP21S					
Net weight	44kg	44kg	74kg	78kg	125kg	129 kg
Packing weight	47kg(Carton)	47kg(Carton)	89kg (Carton)	97kg(Carton)	145kg(Carton)	149kg((Carton)
Dimensions (mm) Long*Wide*High	680*340*585	680*340*585	785*385*770	785*385*770	890*430*875	890*430*875
Packing size(mm) Long*Wide*High	725*350*700	725*350*700	855*460*880	855*460*1000	1000*470*1100	1000*470*1100

### Standard for plasma

National standard ※GB 15579.1

Arc welding equipment - Part 1: Welding power supply



中国国家强制性产品认证



Specifications	LGK-60IGBT	LGK-60IGBT	LGK-200AH	LGK-105AL	LGK-125AL	LGK-151AL
standards of power supply	300~380v/50Hz ±10%	<b>200~220v/50Hz</b> <b>±10%</b>	300~380v/50Hz ±10%	300~380v/50Hz ±10%	300~380v/50Hz ±10%	300~380v/50Hz ±10%
Input power	11KVA	11KVA	46.5 KVA	18.4KVA	22.4KVA	32.2KVA
Rated output current	60A	60A	200A	105A	120A	151A
Rated output voltage	105.2V	105.2V	150V	123V	128V	138V
Rated load durability	100%	100%	100%	100%	100%	100%
No-load voltage	308VDC	200VDC	315VDC	300VDC	300VDC	315VDC
Current regulation range	30~60A	30~60A	40~200A	30~105A	30~120A	30~151A
Input copper core wire cross-sectional area (mm <sup>2</sup> )	≥6 <sup>2</sup>	≥6 <sup>2</sup>	≥10 <sup>2</sup>	≥16 <sup>2</sup>	≥25 <sup>2</sup>	≥35 <sup>2</sup>
Fuse (A)	40	60	125	60	60	80
Switching capacity	40	60	125	60	63	80
Mass perforation thickness (Carbon steel)	0.3~10mm	0.3~10mm	0.3~25mm	0.3~16mm	0.3~18mm	0.3~20mm
Maximum perforation thickness (Carbon steel)	12mm	12mm	25mm	16mm	18mm	20mm
Use plasma gas	Compressed air	Compressed air	<b>Air/ Oxygen</b>	Compressed air	Compressed air	Compressed air
Working plasma gas pressure	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa	0.4~0.6MPa
Torch cooling method	Air cooling	Air cooling	<b>Water cooling</b>	Air cooling	Air cooling	Air cooling
Arc ignition method	Non-contact ignition (High frequency arc ignition)			Non-contact ignition ( <b>low frequency arc ignition</b> )		
Insulation class	F (Grade)					
Shell protection level	IP21S					
Net weight	27kg	27kg	109 kg	49kg	49kg	74kg
Packing weight	30kg(Carton)	30kg(Carton)	129kg(Carton)	51kg(Carton)	51kg(Carton)	89kg(Carton)
Dimensions (mm) Long*Wide*High	590*260*480	590*260*480	785*385*770	680*340*585	680*340*585	785*385*770
Packing size(mm) Long*Wide*High	615*300*500	615*300*500	1000*470*1100	725*350*700	725*350*700	855*460*880

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