

### DC12V : 600W~5KW Specifications AC110V(AC100V~AC127V)

Parameter		DK1206U	DK1210U	DK1215U	DK1220U	DK1230U	DK1250U
DC input voltage		12V					
DC input voltage standard		13.4V					
Output voltage no load		110Vac (±3%)					
Output power continuous		600W	1000W	1500W	2000W (±3%)	3000W (±3%)	5000W (±3%)
Surge rating		1200W	2000W	3000W	4000W (±3%)	6000W (±3%)	10000W (±3%)
Efficiency at rated power		88%					
THD max		360W 1.1%		1000W 1.1%	1000W 1.1%		
No load current	No fan	0.75A	0.75A	0.80A	0.70A	1.00A	1.50A
	On fan	1.07A	1.15A	1.20A	1.05A	1.86A	2.60A
Low battery shut down		10.2V					
Low battery return on power		11.2V					
High battery shut down		17.2V					
High battery return on power		15.2V					
Frequency selection[50Hz/60Hz]		60Hz (50Hz/60Hz select switch)					
Regulation		600W/109Vac	1000W/109Vac	1500W/109Vac	2000W/109Vac	3000W/109Vac	5000W/109Vac
Over temperature protection		-40°C ~76°C (±5°C)					
Over temperature power on		58°C (±5°C)					
Output wave form		Pure sine wave (D.S.P)					
Cooling fan [auto fan]		Fan on temperature 41°C (±5°C)					
Insulation transformer tester (Withstand voltage)		2KV ~ 2.5KV					
Over load protection	input fuse	40A(3EA)	40A(2EA) / 30A(1EA)	40A(4EA)	40A(6EA)	40A(9EA)	40A(14EA)
	output circuit breaker	6A(SS-001)	10A(SS-001)	17A(SS-001)	20A(SS-001)	34A High speed	60A High speed
	AC outlet/terminal	1P Socket * 1EA(13A)	1P Socket * 1EA(13A)	GFCI Outlet 20A	GFCI Outlet 20A / 30A-3P	GFCI Outlet 20A / 30A-3P	GFCI Outlet 20A / 60A-3P
FCC(EMC) / AC120V		FCC class					
KC(EMC) / AC220V		KC class					
Dimensions[mm] (DxHxW)		185X74X240	185X74X290	185X74X385	225X89X420	225X89X530	225X154X498
Weight		3.2Kg	3.4Kg	4.4Kg	5.5Kg	6.4Kg	10.5Kg

#### APPLICATIONS

Audio & Video equipment, Charger used for appliances / networking devices, Electric fan, Electric heated blanket(compatible inverter), Laser print machine, LED bulb, Medical equipment, Mercury / Halogen / HQI lamp, Microwave, Motor controller, Non-linear loads(Motor pump, coil), Precise testing machines, Refrigerators, Refrigerators compatible inverter, Rice cooker(compatible inverter), Solar equipment, Three phase inverter, In case of not working with modified sine wave inverter

#### ON/OFF SURGE

When turned-on, by controlling surge time from DSP program for more than 1.5 seconds, we can realize stronger surge in absorbing power of motor, fridge & etc, and, when turned-off, as extinguishing time of lamp is around 2.5 seconds, the operation of turn-on switch will be stopped till complete lights-out, so all the equipments connected can be protected and remaining current in pulse & circuit can be erased, by blocking sudden re-operation or repetitive on/off.

#### BLOCKING OVERLOAD

By sensing higher operation of load than equipment via self-diagnosis(DSP) program three times, if we could find exceeded load capacity than given one, then it would be blocked automatically while less load capacity than given one would make it operate.

## DC24V : 600W~5KW Specifications AC110V(AC100V~AC127V)

Parameter		DK2406U	DK2410U	DK2415U	DK2420U	DK2430U	DK2450U
DC input voltage		24V					
DC input voltage standard		26.8V					
Output voltage no load		110Vac (±3%)					
Output power continuous		600W	1000W	1500W	2000W (±3%)	3000W (±3%)	5000W (±3%)
Surge rating		1200W	2000W	3000W	4000W (±3%)	6000W (±3%)	10000W (±3%)
Efficiency at rated power		91%					
THD max		360W 1.1%		1000W 1.1%	1000W 1.1%		
No load current	No fan	0.42A	0.45A	0.48A	0.38A	0.52A	1.00A
	On fan	0.59A	0.68A	0.70A	0.54A	1.00A	1.60A
Low battery shut down		20.0V					
Low battery return on power		22.4V					
High battery shut down		31.7V					
High battery return on power		30.0V					
Frequency selection[50Hz/60Hz]		60Hz (50Hz/60Hz select switch)					
Regulation		600W/109Vac	1000W/109Vac	1500W/109Vac	2000W/109Vac	3000W/109Vac	5000W/109Vac
Over temperature protection		-40°C~76°C (±5°C)					
Over temperature power on		58°C (±5°C)					
Output wave form		Pure sine wave (D.S.P)					
Cooling fan [auto fan]		Fan on temperature 41°C (±5°C)					
Insulation transformer tester (Withstand voltage)		2KV ~ 2.5KV					
Over load protection	input fuse	30A(2EA)	30A(2EA)	40A(2EA)	40A(3EA)	40A(5EA)	30A(4EA) / 40A(4EA)
	output circuit breaker	6A(SS-001)	10A(SS-001)	17A(SS-001)	20A(SS-001)	34A High speed	60A High speed
	AC outlet/terminal	1P Socket * 1EA(13A)	1P Socket * 1EA(13A)	GFCI Outlet 20A	GFCI Outlet 20A / 30A-3P	GFCI Outlet 20A / 30A-3P	GFCI Outlet 20A / 60A-3P
FCC(EMC) / AC120V		FCC class					
KC(EMC) / AC220V		KC class					
Dimensions[mm] (DxHxW)		185X74X240	185X74X290	185X74X385	225X89X420	225X89X530	225X154X498
Weight		3.2Kg	3.4Kg	4.4Kg	5.5Kg	6.4Kg	10.5Kg

### APPLICATIONS

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### BLOCKING OVERLOAD

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### DC48V : 600W~5KW Specifications AC110V(AC100V~AC127V)

Parameter		DK4806U	DK4810U	DK4815U	DK4820U	DK4830U	DK4850U
DC input voltage		48V					
DC input voltage standard		53.6V					
Output voltage no load		110Vac (±3%)					
Output power continuous		600W	1000W	1500W	2000W (±3%)	3000W (±3%)	5000W (±3%)
Surge rating		1200W	2000W	3000W	4000W (±3%)	6000W (±3%)	10000W (±3%)
Efficiency at rated power		91%					
THD max		360W 1.1%		1000W 1.1%	1000W 1.1%		
No load current	No fan	0.30A	0.32A	0.35A	0.25A	0.42A	0.70A
	On fan	0.40A	0.43A	0.46A	0.36A	0.93A	1.18A
Low battery shut down		40.2V					
Low battery return on power		42.5V					
High battery shut down		61.0V					
High battery return on power		59.0V					
Frequency selection[50Hz/60Hz]		60Hz (50Hz/60Hz select switch)					
Regulation		600W/109Vac	1000W/109Vac	1500W/109Vac	2000W/109Vac	3000W/109Vac	5000W/109Vac
Over temperature protection		-40°C ~76°C (±5°C)					
Over temperature power on		58°C (±5°C)					
Output wave form		Pure sine wave (D.S.P)					
Cooling fan [auto fan]		Fan on temperature 41°C (±5°C)					
Insulation transformer tester (Withstand voltage)		2KV ~ 2.5KV					
Over load protection	input fuse	30A(1EA)	30A(1EA)	40A(1EA)	30A(2EA)	40A(2EA)	30A(2EA) / 40A(2EA)
	output circuit breaker	6A(SS-001)	10A(SS-001)	17A(SS-001)	20A(SS-001)	34A High speed	60A High speed
	AC outlet/terminal	1P Socket * 1EA(13A)	1P Socket * 1EA(13A)	GFCI Outlet 20A	GFCI Outlet 20A / 30A-3P	GFCI Outlet 20A / 30A-3P	GFCI Outlet 20A / 60A-3P
FCC(EMC) / AC120V		FCC class					
KC(EMC) / AC220V		KC class					
Dimensions[mm] (DxHxW)		185X74X240	185X74X290	185X74X385	225X89X420	225X89X530	225X154X498
Weight		3.2Kg	3.4Kg	4.4Kg	5.5Kg	6.4Kg	10.5Kg

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