

DC Power Generator **DPG-30R**

The DPG-30R is 30kW DC power generator for sputtering application and designed with reliable parts and circuit. And a low arc energy circuit, which interrupts output immediately when arc is generated, is equipped as standard specification. This power generator can be used as a 30kW to 240kW power generator system by connecting with the dedicated controller.



DPG-MC240R



DPG-30R

Features

- **Increased Reliability**
Designed with reliable parts and circuit.
- **Equipped with Low Arc Energy Circuit**
A low arc energy circuit, which interrupts output immediately when arc is generated, is equipped as standard specification.
- **Wide Range Power Output Control**
Possible to output up to 120kW and control up to 4 units of power generator (DPG-30R) at same time by a single controller (DPGMC120R).
Possible to output up to 240kW and control up to 8 units of power generator (DPG-30R) at same time by a single controller (DPGMC240R).
- **No Cooling Water is Required**
Air-cooled.
- **Wide Range Input Power**
AC380 to 480V $\pm 10\%$.
- **Operation Without Controller**
Possible to operate without the controller by using external control terminal in the case of 30kW or lower.

Applications

- Flat panel display sputtering
- Semiconductor sputtering
- Industrial coating sputtering

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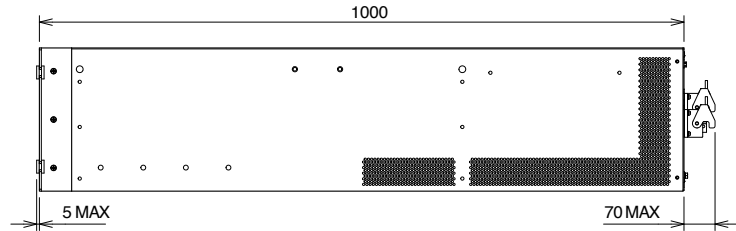
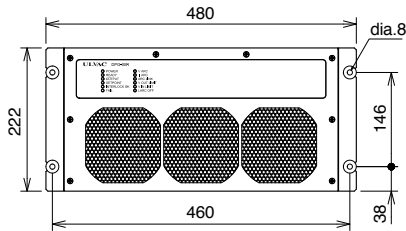
Specifications

Model		DPG-30R (Power generator)	DPG-MC120R, DPG-MC240R (Controller)
Input Spec.	Input rated voltage	AC380 to 480V	AC100 to 240V
	Input voltage fluctuation range	AC342 to 528V	AC90 to 264V
	Phase, frequency	3phase 50/60Hz	1phase 50/60Hz
	Input connector	Connector	Connector
	Input capacity (worst case)	41.5kVA or less (AC400V 37kVA)	140VA or less
Output Spec.	Maximum rated power	30kW (maximum 240kW with 8 units running in parallel with the controller)	
	Rated current	55A (maximum 440A with 8 units running in parallel with the controller)	
	Rated voltage	1200Vmax	
	Output polarity	Negative polarity	
	Abnormal discharge control	When abnormal discharge is detected, the inverter stops and output is shut off by the low arc energy circuit.	
	Output connector	Connector	-
Cont.	Control methode	Power control mode / Current control mode	
	Control precision	Rated output ±1% or less	
	Control guarantee range	Constant power control, 10 to 100% of rated power value	
	Parallel running	Controllable up to 8 units through the controller.	
Dimensions WxDxH		480mm × 1000mm × 222mm	480mm × 1000mm × 88mm
Weight		79kg	12kg

Dimensions

(unit: mm)

DPG-30R (POWER GENERATOR)



DPG-MC120R, DPG-MC240R (CONTROLLER)

