

AC / DC CHARGING MODULE

Function and description:

Galvanically isolated charging modules enable continuous output current regulation for a wide voltage range and output power limitation via a communication interface. The modules are primarily intended for installation in fast charging stations for electric vehicles. They meet the requirements of the relevant EMC standards.

SKY50R55M

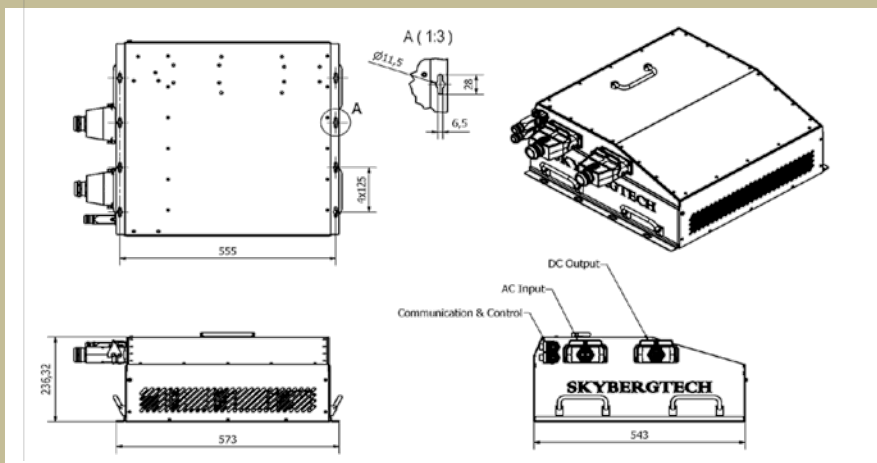


TECHNICAL PARAMETERS:

Maximum continuous power:	50 kW
Adjustable continuous power:	22 / 15 kW
Output voltage range:	50 - 500 Vdc
Output current range:	0 - 125 Aac
Input voltage:	3x400 Vac
Input current:	100 Aac
Efficiency:	≥ 95 %

Type	Maximum continuous power [W]	Weight [kg]	Basic dimensions [mm]				
			A	B	C	D	E
			Width	Height	Depth	Pitch	Pitch
SKY50R55M	50	50	573	237	543	555	4x125

Dimensional drawing: SKY50R55M



Use:

The modules can, in addition to their priority purpose, be used as a general galvanically isolated source of direct voltage and / or current (AC / DC converter) with the possibility of continuous and independent regulation of both quantities. The modules have built-in operational protections and other safety features. They meet the basic requirements for use in work machines and fixed or mobile installations.

Dimensioning, connection:

The modules are designed to be built into the cabinets of fast charging stations for electric vehicles. They are dimensioned according to the given label values. When installing in cabinets, it is necessary to take into account the power dissipation of the module and ensure sufficient heat dissipation.