



	OFI700A	OFI1200A
AC input voltage range	85-264VAC (Nominal 100-240VAC)	85-305VAC (Nominal 100-277VAC)
DC input voltage range	120 – 350VDC	N/A
Output voltage / current	12 VDC / 58.4A 28 VDC / 25A 48 VDC / 14.6A	12 VDC / 84A 28 VDC / 43A 48 VDC / 25A
Protections	OCP, OVP, OTP, SCP	OCP, OVP, OTP, SCP
Control functions	TRM for output voltage (+/-20%)	VTRM (~0-120%) for output voltage ITRM (~0-100%) for output current
Control	DC OK, Remote On/Off	Power Good, Remote On/Off
Paralleling	Redundancy only Active ORing (optional)	Paralleling up to nine units Active ORing for 28V & 48V (optional)
Baseplate temperature	-40°C to +95°C	-40°C to +95°C
Mechanical	With cover 126x40x250mm Without cover 126x38x250mm Weight 0.95kg (1.1kg with cover)	With cover 142x40x260mm Without cover 142x39x260mm Weight 1.2kg (1.4kg with cover)
Shock and vibration	MIL-STD-810H	MIL-STD-810H
Safety standards	UL62368-1 CE UKCA	UL62368-1 CE UKCA



Information presented in this table is an extract from the datasheet.
For more information, please contact our technical support team.

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POWERBOX
A Cosel Group Company

Demanding Industrial

P R
B X

- Ruggedized design for harsh environment
- Controllable voltage and current limit
- Silent and reliable by conduction cooling

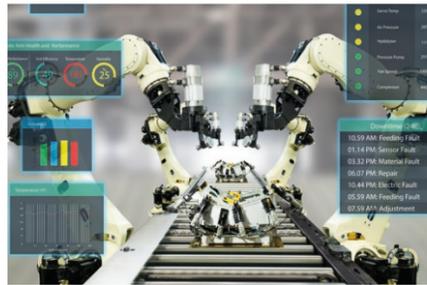


Ruggedized design for harsh environment

Silent and power under control



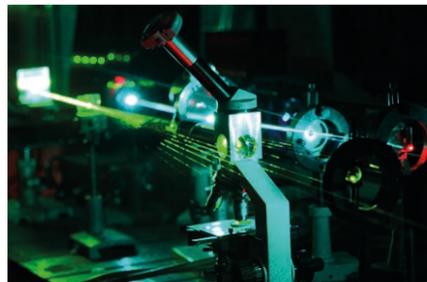
Conduction cooling and Fanless
 Solid baseplate optimizing conduction cooling
 Secure operation in sealed enclosures
 Silent and reliable operation in demanding environments
 Low maintenance and Cost of Ownership



More power and redundancy
 Active ORing diode for redundancy operation
 Paralleling up to 9 units and 9720W ⁽¹⁾
 Active current sharing ⁽¹⁾



Robustness
 Shock and vibration proof
 MIL-STD-810H tested
 Temperature -40° C to +95° C baseplate



Programming and Constant Current
 Ultrawide output voltage and current adjustment
 Constant current limit from near zero to Max ⁽¹⁾
 Voltage adjustment from near zero to 120% ⁽¹⁾



Worldwide input voltage
 International input range 85VAC to 305VAC ⁽¹⁾
 Safety approved for system voltage 100VAC to 277VAC ⁽¹⁾
 Suitable for bay-lighting and heavy industrial



For charging applications
 Batteries and capacitor banks for peak energy and energy storage, UPS, amplifiers, transmitters, lasers, welding, motors, actuators and pumps



Silent operation
 Professional audio equipment, laboratory, control center and silent offices



Controlled power sources
 Electrolysis, process heaters, cathodic corrosion protection, magnet drives and electroplating



Harsh environment
 Sealed outdoor applications such as radio base stations, on- and off-shore systems, marine equipment, submerged installations and ROVs, signage, track side and roadside signalling and traffic lights



Professional lighting
 Bay lighting, street lighting, stage lighting, screens and related effects



(1) OFI1200A