



Small, modular and reliable UPS solution to secure AC loads from 3 to 12 kVA!

☎ Telecom

📦 Datacom

🚆 Mass transport

🏭 Industry

⚡ Power Utilities

🌿 Renewable

AC In
230 Vac

DC
48 Vdc

AC Out
230 Vac

3 - 12 kVA

Description

Based on our most reliable converters, this rack solution can be used to secure your **AC loads** with the most **compact** and **reliable** solution on the market.



This solution is compatible with 230 Vac loads and 48 Vdc batteries (Lead-acid or NiCd). The **modularity** allows to increase the power output step-by-step from 3 to 12 kVA. Fully equipped, this rack system can reach the **power density** of 12 kVA in only 2U high offering the highest one in the market.

The reliability of such a system, based on CE+T Power modular inverters leading technology, is incomparable with small power UPS.

Includes:



Sierra 25



Inview S - Monitoring

Rack integration:

The **complete solution** offers, in only **5U high**, the converters, the AC distribution, the manual by-pass and the monitoring solution (Inview S). Simply connect your batteries and your loads and the all-in-one solution is ready to secure your most critical assets! You then have the choice to size the batteries according to the backup time you require.



The system is designed for harsh environment **operating from -20°C to +60°C** (with a derating starting from 40°C to 60°C). The high conversion efficiency of the module greatly reduces the heat to be dissipated, with a significant impact on cooling costs.

Last but not least, the solution has been developed to offer the **best cost/watt ratio**.

Applications:

- Telecom (core sites, edge computing and base stations)
- Datacenters
- Mass transport
- Industrial
- Power utility
- Oil & Gas
- Marine
- Off-Shore
- And many others

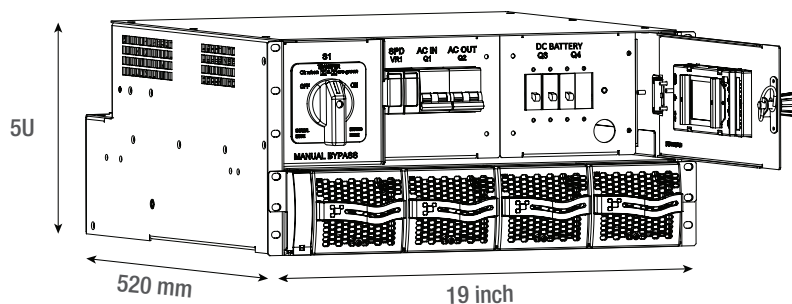
Key features:

- UPS for AC loads
- Modular (3 kVA to 12 kVA)
- High power density (only 5U high)
- EMC/EMI compliance
- Harsh environment
- Hot-swappable capacity
- Compact, easy to install and operate
- User-friendly monitoring

Illustrations are non-binding and may include customized fittings.

Single phase 19" rack mount AC UPS, from 3 to 12 kVA

	3 kVA	6 kVA	9 kVA	12 kVA
General				
Part Number	S72AD3E0104SC100J001	S72AD3E0204SC100J001	S72AD3E0304SC100J001	S72AD3E0404SC100J001
Ingress Protection	IP20			
Cooling / Audible noise	Fan forced cooling / <65 db @1 meter			
Operating T° / RH humidity	-20°C to 60°C derating above 40°C to 60°C / RH max 95% non condensing			
Manual By Pass	Included			
Power				
AC Input Data				
Voltage range AC	150 to 265 Vac L-N single phase			
Nominal current @100% load and 230 VAC	11.7 A	23.4 A	35.1 A	46.8 A
Frequency	47-53 Hz / 57-63 H z			
Power factor	> 0.99			
AC Input breaker	63 A, 2 Poles			
AC Output Data				
Peak Efficiency AC to AC / DC to AC	> 96% / > 93%			
Voltage range AC out	220-240 Vac L-N single phase adjustable			
Output Power	3 kVA / 2.4 kW	6 kVA / 4.8 kW	9 kVA / 7.2 kW	12 kVA / 9.6 kW
Frequency	50Hz , 60 Hz ±0.1%			
AC output breaker	63 A, 2 Poles			
DC Data (Battery)				
Peak Efficiency AC to DC	> 93%			
Nominal voltage (range)	48 Vdc (40 - 60 Vdc)			
Battery breaker	300 A for 1 string			
Recharge time for 30 min backup @ 100% load	6 to 8 hours for 80% battery capacity			
Signaling & Supervision				
Display	Synoptic LED on Modules and 2.8" touch screen in Inview S			
Supervision / Part number	Inview S / T302004100			
Communication	ETH, SNMP, MODBUS over IP			
Alarm relay	Form C dry contact Major + Minor + 6 relay configurable			
System				
Width x Height x Depth	19 Inch x 5U x 520 mm			
Weight without modules	23 kg			
Safety & EMC				
Safety	EN/IEC 62040-1			
EMC	EN/IEC 62040-2			
Performances	EN/IEC 62040-3			



Sierra 25 – Subrack System – Datasheet v1.7. Specifications can change without notice. New data will be updated on our website: www.cet-power.com.
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