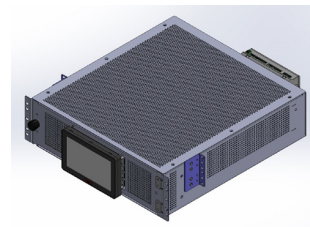


Auxiliary Component Shelf (ACS)



CE+T Power's Auxiliary Component Shelf (ACS) integrates components relevant for 380 Vdc distribution

DC In
380 Vdc

DC Out
380 Vdc

Current
2 Spokes
25 A

Current
4 Spokes
50 A

Current
4 Spokes
75 A

Technology

The Auxiliary Component Shelf (ACS) is used in telecommunication power supply system as a DC power distribution sub-system for distributing 380 Vdc to remote units, and equipped with safe disconnection devices to safeguard human beings.

How it works?

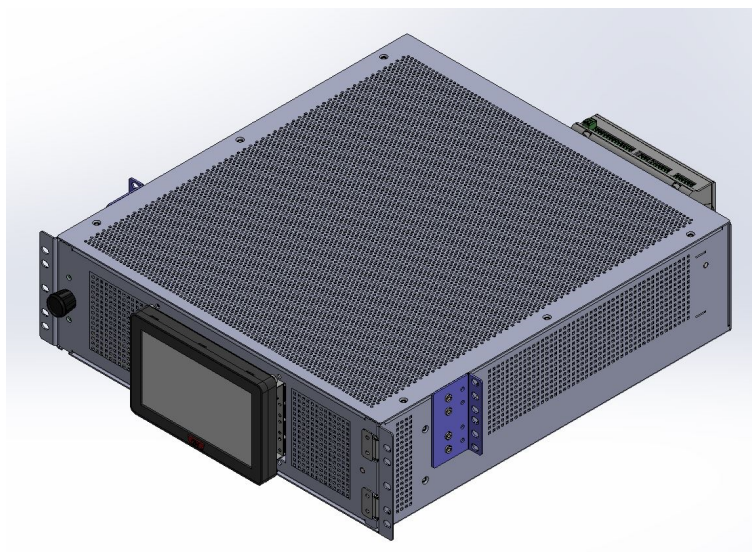
It includes the smart isolators, power relays, insulation monitoring device, DC breaker protection compatible to work at the rated voltage of 380 Vdc. The ACS is also equipped with Inview X on the front panel and Measure Box Battery to monitor the system functions.

Variants

The ACS exists in 3 variants supplying up to 2 or 4 spokes from a single DC input feed with DC output current 25 A, 50 A, 75 A.

Key features:

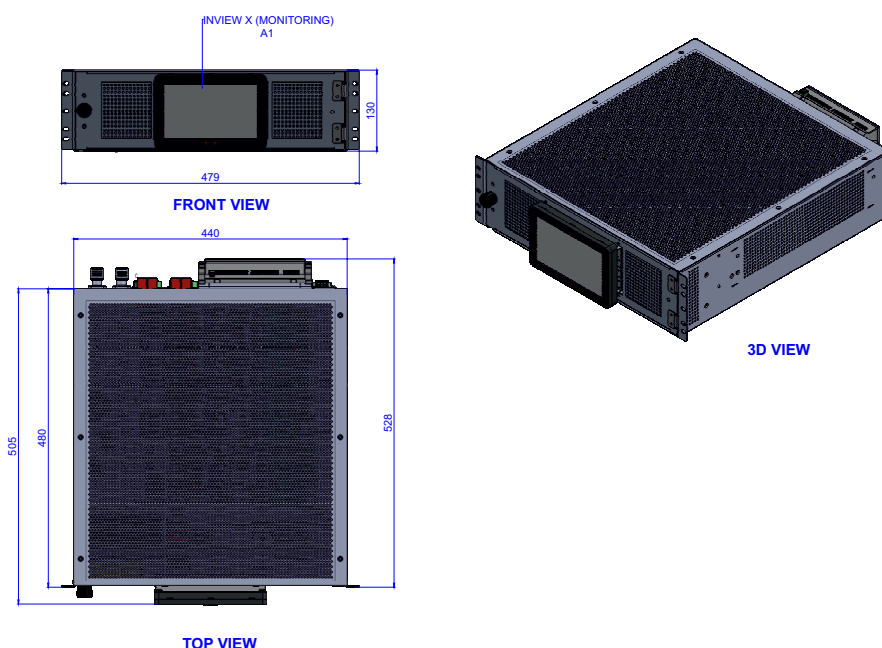
- DC IN 380 Vdc upto 28.5 kW max
- Surge Protection on 380 Vdc Input
- Protective isolation with insulation monitoring and shutdown
- Protective isolation with Smart Isolator device
- DC Out 380 V variable from 1 to 4 spokes
- I/O terminals – Voltage, Current, Temperature, Digital Inputs, Relay Outputs connected to Measure Box Battery
- Inview X Front Panel display



Illustrations are non-binding and may include customized fittings.

Auxiliary Component Shelf (ACS)

	25 A version	50 A version	75 A version
General			
Number of Outlets	2	4	4
Part Number	V510486021	V510486022	V510486023
Nominal Voltage	+/- 190 Vdc (+/- 75 Vdc to +/- 200 Vdc)		
Operating / Storage Temperature Range	-40 °C to +65 °C / -40 °C to +70 °C		
Humidity	5% to 85% relative humidity, non-condensing		
RoHS / WEEE / REACH	Compliant to RoHS Directive 2011/65/EU / WEEE Directive 2012/19/EU		
Power			
Main DC Input Data			
Maximum Power	9.5 kW	19 kW	28.5 kW
DC Voltage (Range)	150 Vdc to 400 Vdc (max. current available on trunk lines for input voltage above 150 Vdc)		
Current	25 A	50 A	75 A
DC Output Data			
Nbr output	2 spokes (Maximum 25A total)	4 spokes (Maximum 25A per 2 spokes) (Total 50A)	4 spokes (2 spokes 25A each) (2 spokes maximum 25A for both)
Voltage (Range)	+/- 190 Vdc (+/- 75 Vdc to +/- 200 Vdc)		
Reverse polarity protection	YES		
Auxiliary Power Supply DC Input Data			
DC input voltage	48 Vdc (40 - 60 Vdc)		
Max DC input consumption	up to 25 W for auxiliary components		
IO Signal			
Voltage	V1, V2, V3 (maximum 60 Vdc)		
Current	I1, I2, I3 (with the use of shunt)		
Digital input	D1 to D8		
Relay output	K1 - K6 (6 output relays configurable) / Relay contact max 60 V - 0.5 A (30 W)		
Temperature	T1, T2 temperature sensor		
Insulation monitoring resistance R1 - R2	33 kOhm		
Dimension & Weight			
Dimensions (WxHxD)	479 x 130 x 553 mm (18.85 in x 5.12 in x 21.77 in)		
Weight	17.8 kg (39.25 lbs)		
Safety			
Safety	IEC62368 / UL62368		
EMI/EMC	FCC Part 15 class A, CISPR 32 Class A, IEC61000-4-2/3/4/5/6, ETSI300386		
Environment	ETSI300019		
NEBS	GR3108 class 2		



Auxiliary Component Shelf (ACS) - Datasheet v3.2. Specifications can change without notice. New data will be updated on our website: www.cet-power.com.
The present equipment is protected by several international patents, trademarks and copyrights.