

areus

PowerAccu 5030/10030



Power supply for motor vehicles
in exhibition- and fair mode

Everything depends on reliable energy

Interested fair visitors like to test the vehicle – power must be there – during the entire duration of the fair. The power consumption is huge: Illumination, telematics, entertainment, ventilation and comfort functions must work. All interested persons should get a positive impression of the exhibited vehicles. Too many cables can be disturbing. There should be no breakdowns. The PowerAccu of Areus Engineering covers your energy demand reliably and safely. It is easy to assemble and stays out of sight.



Stays out of sight

Supply of power from the PowerAccu is invisible. There is nothing to get in the way when customers are inspecting a vehicle's comfort extensively. Areus Engineering has placed the PowerAccu in the production housing of the original battery. The installation of the PowerAccu is therefore a minor thing: It occupies the space of a standard battery; in vehicles with a dual battery concept it occupies the space of the supply battery. A power cable is guided to the exterior inconspicuously in order to connect the integrated charging device with the power plug on site.

Safe power

The technology with which Areus Engineering has equipped the PowerAccu was tested successfully for its environmental sustainability. PowerAccu achieves an efficiency level of up to 90 percent. A permanently connected power connection guarantees safety when charging. The Areus PowerAccu is designed as gas-proof and can therefore also be transported by air. The technology of Areus prevents self-discharging of the accumulator as well as a capacity limitation through the memory effect. With a secured output, the PowerAccu represents the ideal supplement for interior vehicle lighting of the Areus LED Inlight Series.

¹ 10030 (Art.Nr. 100656)

² 5030 (Art.Nr. 100655)



Product data:

- High performance level, tested environment-friendly technology
- Gas-proof and therefore suitable for transportation by air
- Permanently power connection
- No memory effect
- No self-discharging
- Available in two power classes
- Flexible voltage supply, therefore smooth connection all over the world
- Direct connection of the Areus LED Inlight Series over secured output possible
- For vehicles with dual battery concept, the supply battery is replaced by the Areus PowerAccu, the starter battery remains in the vehicle for this case

Accessories:



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³ Connecting cable PUR sw 3x1,5, L1000 (Art.Nr. 102205)

⁴ Spiral cable PUR sw 3x1,5, L1000-4000 (Art.Nr. 102569)

⁵ Extension cable PUR sw 3x1,5, L2000 (Art.Nr. 102568)





Tecnical Data

POWERACCU	10030	5030
Electrical connection		
Voltage supply	90-264 VAC & 127 - 370 VDC	
Current intake for 230 VAC	9.0 A	3.9 A
Power factor and frequency range	PF 0.97/230 VAC und 47-63 Hz	
Protection class	I (protective earthing)	
Connecting cable	1.80 m with Hirschmann connector STAS 20	
Integrated charging device		
Performance level	0.88	
Ambient temperature	-5 to +40°C	
Fan cooled	Yes	
Certification	UL60950-1, TÜV EN60950-1, CE	
Output voltage in accu mode	12.0 VDC	
Output voltage in mains mode	13.8 VDC	
Nominal steady current	100 A	50 A
Automatic reactivation after		
- Excess temperature (70°C)	Yes	
- Nominal current overload	No	Yes
- Excess voltage at output	Yes	
Integrated rechargeable battery		
Technology	Lead-fleece accumulator in pure lead technology	
Capacity of rechargeable battery	26 Ah	
Short-circuit current in rechargeable battery mode	1556 A	
Internal resistance	7.9 mOhm	
Certification	Checked and approved for transportation by air acc. to US DOT Regulation 49 and ICAO & IATA Packing Instruction 806	
Connections		
Vehicle power supply	Standard battery pole with terminal connection (+ pole 19.5 mm; - pole 17.9 mm)	
Inlight power supply	Two Molex built-in connectors for connecting two interior lights, separately secured 12 VDC with 5 A motor vehicle flat plug-in fuse, discharge protection for rechargeable where mains supply is not available	
Mechanism		
Casing	Standard battery lid, Alu casing, black powder-coated	
Pin arrangement acc. to DIN-EN 60095-2	0 (front right)	
Dimensions LxWxH	327 x 175 x 190 mm	278 x 175 x 175 mm
Weight	14.9 kg	13.0 kg

 Weiter denken. Besser lösen.