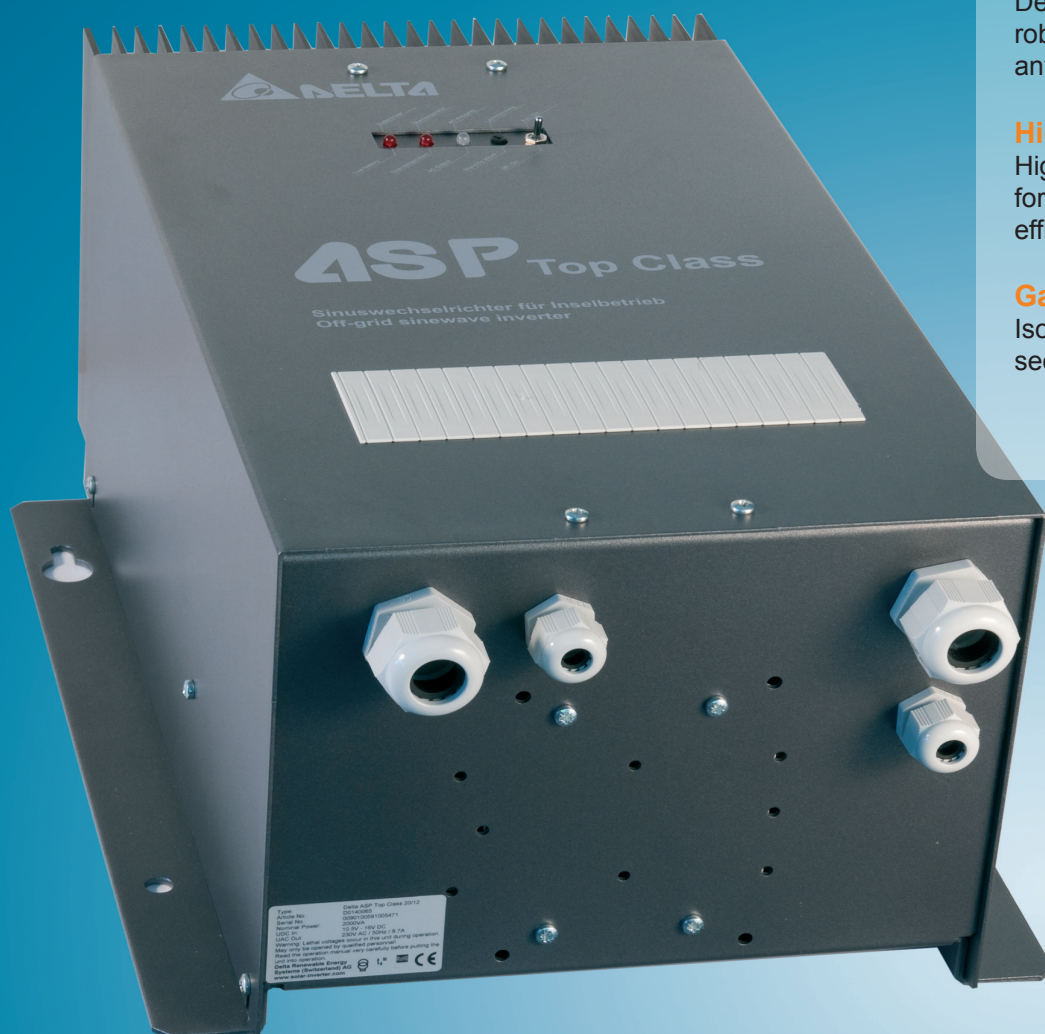


ASP^{Top Class}

24V Off-Grid Inverter



True sinusoidal wave

The public electrical grid has a sine-shaped voltage flow which is designated as sinusoidal voltage. ASP series inverters provide the electrical consumers with the same or better quality of sinusoidal voltage.

Overload and short-circuit proof

Delta's ASP Inverters stand for robust use and can be used for any application.

High degree of efficiency

High-quality components allow for an extremely high degree of efficiency.

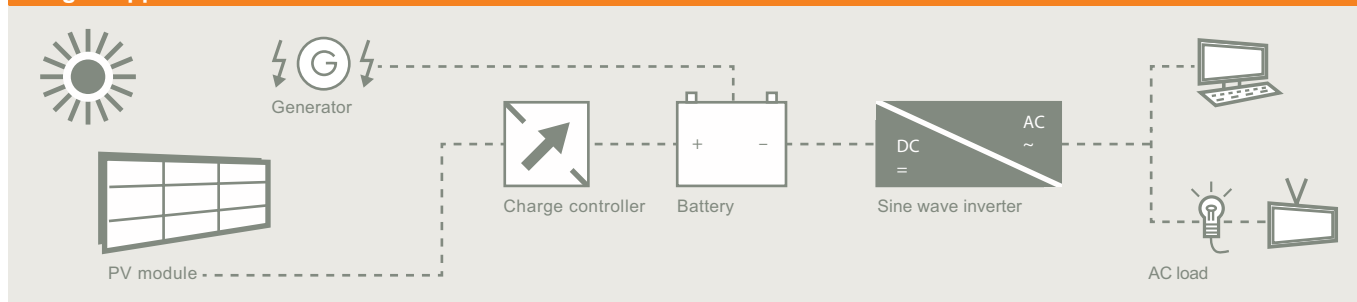
Galvanic isolation

Isolation of primary and secondary circuit.

Delta ASP Top Class 15/24, 22/24, 30/24

Off-grid sinewave inverter

Off-grid application



The inverter converts the DC battery voltage (direct current) into 230V_{AC} (sinusoidal alternating current). Voltage-controlled, it provides a stabilised, quartz-precise direct current of 230V_{AC}/50Hz (other voltages and frequencies as per type label). All conventional consumption items such as energy-saving light bulbs, computers, engines, pumps, radio and HiFi systems can be operated with the sinusoidal inverter.

| INPUT (DC) | 15/24 | 22/24 | 30/24 |
|---|-----------------|-----------------|-----------------|
| Rated voltage U _{DC IN} | 24 V | 24 V | 24 V |
| Input voltage range U _{DC} | 21.0 ... 32.0 V | 21.0 ... 32.0 V | 21.0 ... 32.0 V |
| Dynamic low voltage cut off U _{DC} | 21.0 ... 18.0 V | 21.0 ... 18.0 V | 21.0 ... 18.0 V |
| Rated current I _{DC IN} | 72 A | 110 A | 150 A |
| Current I _{DC IN} max. | 140 A | 205 A | 340 A |

| OUTPUT (AC) | 15/24 | 22/24 | 30/24 |
|---|---------------|---------------|---------------|
| Rated output current I _{AC Out} | 6.5 A | 9.6 A | 13 A |
| Short circuit current I _{AC K} (max. 0.5s) | 16 A | 24 A | 35 A |
| Rated power P ₁₀ (10 min at T _A = 20°C) ¹⁾ | 1700 VA | 2900 VA | 3200 VA |
| Rated power P ₃₀ (30 min at T _A = 20°C) ¹⁾ | 1500 VA | 2200 VA | 3000 VA |
| Continuous P _D ¹⁾ | 1200 VA | 2000 VA | 2700 VA |
| Rated output voltage U _{AC Out} | 230 V ± 2 % | 230 V ± 2 % | 230 V ± 2 % |
| Output frequency f _{AC} | 50 Hz ± 0.5 % | 50 Hz ± 0.5 % | 50 Hz ± 0.5 % |
| Power factor (cos φ) | 0.3 ... 1.0 | 0.3 ... 1.0 | 0.3 ... 1.0 |

1) This values correspond to rated voltage 24 V DC

Delta Renewable Energy Systems (Switzerland) AG

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Switzerland
Email: uznach.switzerland@delta-es.com
Hotline Verkauf: (+49) 0180 10 SOLAR (76527)
Mondays to Fridays from 8 am to 5 pm (apart from official Bank Holidays) (3,9 ct/min)
www.solar-inverter.com

27 April 2011 - All information and specifications are subject to change without notice.

| GENERAL SPECIFICATION | 15/24 | 22/24 | 30/24 |
|--|--|--------------------|--------------------|
| Model name | Delta ASP Top Class 15/24 | 22/24 | 30/24 |
| Dimensions (L x W x H) | 385 x 260 x 182 mm | 456 x 320 x 211 mm | 456 x 320 x 211 mm |
| Weight | 16 kg | 20 kg | 27 kg |
| Efficiency factor max. | 93 % | 93 % | 94 % |
| Adjustable standby level (logarithmic) | 5...60 W | | |
| Consumption standby / OFF | ca. 0.5 W / 0 W | | |
| Consumption 230V _{AC} OK | 12 W | 12 W | 22 W |
| DC- Breaker / fuse | 100 A | 125 A | no |
| Remote control ON / OFF | yes, with external switch | | |
| IP Protection | IP20 | | |
| Status indication | LED | | |
| Reset after short circuit | every 60s | | |
| Reset after overload | every 60s | | |
| Reset after overtemperature | automatically after reaching semiconductor temp. +45°C | | |
| Reset after battery failure | automatically after reaching U _{DC IN} | | |
| Ambient temperature range | -25 ... +50 °C (max. 95 % rH, non-condensing) | | |
| Temperature and load controlled fan | ON 55 °C / OFF 45 °C, P _D > 80 % | | |
| Alarm contact (insulated relay contact) | no | no | yes |
| Toroidal transformer (galvanically isolated) | EN61558 (IEC61558) | | |
| Warranty | 2 years | | |
| Certificate | CE | | |

