

Galaxy-8K/10K/12K

Version Delta Pro

CELLCRONIC

Hybrid Solar Inverter



Excellent Performance

- Up to 150% usable PV power with 3 MPPT
- Support high power PV panel with 44A PV input current
- Max battery charge/discharge current of 220A



High Flexibility

- Support 40-60V Lithium or Lead-acid battery
- Generator integration



Safety & Reliability

- IP65 Design
- 5 year Warranty
- Multiple built-in protections



Intelligent Maintenance

- 4.3" LCD color touchscreen, easy to operate
- Intelligent Management, local & remote monitoring
- 3 application modes, mixed with battery scheduling
- Support Smart Load for intelligent control of critical and non-critical loads



DC to DC converter



LCD Screen



Max. charging/discharging current of 180A/210A/220A



Support storing energy from diesel generator



Maximum DC input power 12KW/15KW/19.2KW



Rated AC Input/Output Power 8KW/10KW/12KW



Max. 12pcs parallel for off-grid operation;
Support multiple batteries parallel



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Technical Data

Model	Galaxy-8K-Version-Delta Pro	Galaxy-10K-Version-Delta Pro	Galaxy-12K-Version-Delta Pro
Efficiency			
Max. Efficiency (PV to AC)	98.00%		
Max. Efficiency (BAT to AC)	94.50%		
Input (PV)			
Max. PV Input Power (W)	12,000W	15,000W	19,200W
Max. PV Input Voltage (V)	500V		
Start-up Voltage (V)	90V		
MPPT Voltage Range (V)	150V-425V		
Max. Input Current	26A+26A+26A		
Max. Short Circuit Current	44A+44A+44A		
No.of MPP Trackers	3		
No.of Strings per MPP Tracker	1/1/1		
Battery Input Data			
Battery Type	Lithium-ion,Lead-acid		
Normal Battery Voltage Range (V)	48V		
Battery Voltage Range	40V-60V		
Max. Charge/Discharge Current	210A/180A	210A/210A	220A/220A
Max. Charge/Discharge Power	10,000W/8,000W	10,000W/10',000W	10,000W/10',000W
Output (Grid)			
Normal AC Output Power (W)	8,000W	10,000W	12,000W
Max AC Apparent Power	8,800VA	11,000VA	13,200VA
Max. AC Output Power (PF=1)	8,800W	11,000W	13,200W
Max AC Output Current (A)	34.8A	43.5A	57.4A
Power Factor	> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)		
Rated Grid voltage	220V/230/240V, L+N+PE		
Rated Grid frequency	50Hz/60Hz		
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)		
Grid Type	Single Phase		
Total Harmonic Distortion (THD)	<3% (Rated Power)		
Output (Back up)			
Nominal Output Power	8,000W	10,000W	12,000W
Nominal Output Current	34.8A	43.5A	52.2A
Peak Power (1s)	16,000VA	20,000VA	20,000VA
Nominal Output Voltage	220V/230/240V, L+N+PE		
Nominal Output Frequency	50Hz/60Hz		
Transfer Time	<10ms		
THDV	<3% @100% R Load		
Protection			
Integrated	DC Switch, Anti-islanding Protection, AC Over Current Protection, AC Over Voltage Protection, AC Over Voltage Protection, DC Reverse Protection, Insulation Detection, Leakage Current Protection, AFCI, RSD		
Surge Arrester	DC Type II/AC Type II		
Certifications and Standards			
Safety/ EMC Standard	EN IEC 62109-1&2/ EN IEC 61000		
HMI& COM			
Display	4.3 Inch Touch LCD		
Communication Interface	RS485/CAN (for BMS), DRM/RS485 (for Meter), RS485 Optional: Wi-Fi/GPRS/LAN		
General Data			
Max. Operation Altitude	4000m(>2000m derating)		
Relative Humidity	0~100%		
Operating Temperature Range	-25°C~60°C(>45°C derating)		
Cooling	Fan Cooling		
Weight (kg)	39Kg		
Dimensions (W*H*D)	420mm*800mm*240mm		
Protection Degree	IP65		
Installation Style	Wall bracket		
Warranty	5 Years		