



Orion > Controller

Product Feature

- Remote monitoring with modem or LAN
- Integrated, user friendly WEB server, display and keypad
- Integrated PLC (Programmable Logic Controller) functions to enhance flexibility, and monitoring and controlling site infrastructure
- Advanced battery management and testing methods
- Easy maintenance by pluggable architecture

Specifications

1. Input	
Mains voltage	18 – 75 V _{DC}
Current	0.8ADC (max.)
Protection / Switch	Internal fuse 2A / None
2. General	
Dimensions (W x H x D)	83.4 x 40.0 x 175 mm (3.29 x 1.58 x 6.89 in)
Weight	0.6 kg / 1.32 lb
3. Standards	
Safety	EN / IEC 60950, class I; UL 60950; CAN / CSA –C22.2
EMC	EN 55022, class B; ETSI EN 300386 compliant
Cooling	Natural air flow
Operating temperature	0 to +75 °C (+32 to +167 °F)
Relative humidity	95%, non-condensing
4. Function	
System	PLC functionality for customization and supervision and control of auxiliary devices AC measurement (internal / external) Mains failure/phase failure detection and alarming LVD and PLD functions Advanced genset functions for fuel savings Configurable event and data log
Battery	Temperature compensated float charge / Boost and equalize charge Charging current limitation (advanced) Low voltage disconnection State of charge supervision and display Backup time supervision / Life time prediction Automatic capacity test Symmetry supervision for voltage and currents Block voltage supervision (optional)
Rectifier	Individual rectifier information and control Sequential start-up / system soft start Efficiency mode with advanced rectifier cycling Redundancy and power capacity supervision
5. Feature	
Rectifier interface	Digital, CAN-based
Number of rectifiers	Up to 128
Digital input	From 4 up to 227
Relay output	From 6 up to 99
Temperature	From 2 up to 98
Voltage, current	Up to 99
Display	1 integrated, up to 2 user interface modules
Local monitoring	LAN / WEB browser
Remote monitoring	LAN / modem, GSM, GPRS / WEB browser
Remote alarming	Dry contacts / SNMP
Languages	English + 2 downloadable
6. User Interface	
Local user interface	5 configurable LEDs; LCD display; Keypad
UIM (optional)	5 configurable LEDs; LCD display; Keypad; Buzzer
WEB	Four different access levels; More than 200 dynamic WEB pages; SW and setup updates locally and remotely
SNMP	Remote alarms using traps; Dial-out feature together with modems
6. Ordering information	
ORION ID:A1	TPS1020023A

*All specifications are subject to change without prior notice.

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