



DATA LOGGER V1000+ / V1000L

FEATURES

- Uploading inverter data to PrimeVOLT Cloud Server
- Power generation data downloaded to USB memory
- Connecting up to 40 inverters (2 inputs)
- Applicable for inverter parameter setting
- Graphical display (V1000L)
- Applicable for specified irradiance / temperature sensor
- Automatic time calibration through internet connection
- One year data storage



SPECIFICATIONS

Item	Scale	V1000+	V1000L
DC Input			
Nominal Voltage	V		5
Maximum Current	A		1
General			
Operating Temperature	°C		-20 ~ 50
Ingress Protection			IP20
Protection			Class II
Humidity	%		0 ~ 95
Communication Interface & Display			
LCM		NA	128 x 64 Graphic type
Button		NA	Esc/Up/Down/Enter
LED			Green/Red/Orange
RS485-1			Standard, Half-Duplex
RS485-2			Standard, Half-Duplex
Network			RJ45
USB			Standard, USB 1.1 Host
Number of inverters			One RS485 port 20 / Total 40
Data Logging			12 months
Web Server			Support
Clock Synchronization			Automatically sync with time server
External Signal			
Irradiance	W/m ²		0 ~ 1500
Solar Cell Temperature	°C		-40 ~ 90
Ambient Temperature	°C		-40 ~ 90
RCR signals	Option		4 signals for load derating
Input detection signal	Option		2 signals reserved
Output control signal	Option		2 signals reserved
Mechanical			
Dimension (W x H x D)	mm		128 x 103 x 29
Weight	kg	0.28	0.34
Certification			
Safety			CE

Optional	Scale	Irradiance/Temperature sensor (Si-V-10TC-T)	Ambient Temperature sensor (Ta-V-4090)
Electrical			
Nominal Voltage	V	12 to 28	12 to 28
Max. current consumption	mA	5	5
General			
Operating Temperature	°C	-35 ~ 80	-40 ~ 80
Solar Cell		Mono. silicon ; 50mm x 33mm	NA
IP Protection		IP65	IP67
Sensor cable		4 x 0.14mm ² ; 3+10m	LiYC11Y 4 x 0.14mm ² ; 3m
Housing Material		Powder-coated aluminium	Powder-coated aluminium
Measurement Range & Tolerance			
Irradiance signal	W/m ²	0 ~ 1500	NA
Irradiance tolerance	W/m ²	±2.5% ±5 W/m ² (offset)	NA
Temperature signal	°C	-40 ~ 90	0 ~ 10
Cell Temperature tolerance	°C	1.1	1.0
Mechanical			
Dimension (W x H x D)	mm	155 x 85 x 39	64 x 58 x 34
Weight	kg	0.35	0.26

* Specifications are subject to change without prior notice

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