

Versioning

Product

Assembly date:	13/03/20
Serial number:	089

Internal circuit boards

HV PCB version:	Rev. 03
HV PCB serial number:	00089 (18/02/20)
Dist PCB version:	Rev. 03a
Dist PCB serial number:	00089 (18/02/20)

Embedded software

Firmware version:	1.14
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Configuration

Voltages

Avionics (Va):	12.0	V
Payload (Vp):	12.0	V
Servo (Vs):	06.0	V
Batteries (Vb):	21.0	V

Power-up state (S0)

Avionics & servo outputs:	Enabled
Payload output:	Enabled
Battery charger A:	Enabled
Battery charger B:	Enabled
Shed Payload when not generating:	Disabled

Packet streaming

Packet period (Pp):	1.0	S
Packets streamed (Ps):	All	

Temperature

Offset cal. value (T0):	132	
Upper temp. limit (Tu):	+85	°C

Mechanical

Loctite 243 on all PCB fasteners:	Y
Thermal gap-fillers fitted:	Y

Electrical

	Power inputs			Power outputs						
	Functional test	Reverse polarity test		Enable / disable	Load test	Short circuit test	Config. to min. voltage	Config. to max. voltage	Voltage sensor	Current sensor
3-phase:	Y	Y	Avionics:	Y	Y	NT	Y	Y	Y	Y
Umbilical:	Y	NT	Servo:		Y	Y	Y	Y	Y	Y
			Payload:	Y	Y	Y	Y	Y	Y	Y
Battery A:	Y	Y	Battery charger A:	Y	Y	NT	Y	Y	Y	Y
Battery B:	Y	Y	Battery charger B:	Y	Y	NT	Y	Y	Y	Y
28VDC bus:	Y	NA	28VDC bus:	NA	Y	NT	NA	NA	Y	Y

Notes


28V fan fitted and tested.

0.5m pre-crimped AWG24 PTFE insulated wires supplied (6 x black, 6 x red, 2 x blue, 2 x orange, 2 x slate).

Mating connectors supplied (2 x M80-4C11205F1-04-325-00-000, 2 x M80-4C10405F1-04-325-00-000) unassembled.

Sign off

Tested unit meets published product specifications.

Signature:	
Date:	March 13 th , 2020