



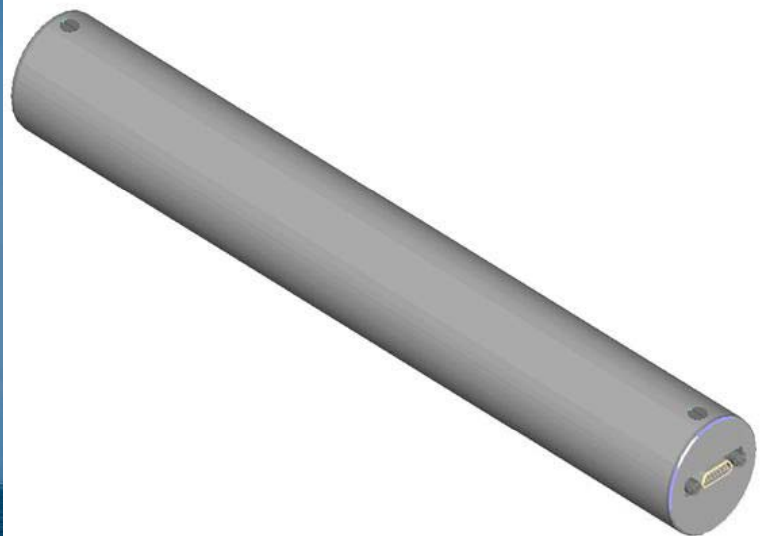
Prime Power, Inc

Down Hole Drilling Applications (M.W.D.)



- DC or AC inputs available for operation from battery or generator source
- Any output required 3.3, 5, 12, 15, 24, 28,
- Single, Dual, Triple
- Circular fit
- -46c to +200c operation
- De Rating per Navmat P4855-1
- 100% Environmental screening
- Inspected per IPC-610-D class 3
- Stabilization bake per MIL-STD-883 method 1008
- Temperature cycling per MIL-STD-883 Method 1010
- Burn in per MIL-STD-883 method 1015
- Standard product modified to suit customers application. Size, input voltage, output voltage and power requirements

Triple output shown 5 +/- 15VDC



Prime Power Inc 1 Owens ct, Hampstead NH 03841

General Specifications

	DC Version	AC Version
Input Voltage	15-40 VDC	100 - 240 VAC
Frequency Range	NA	47-400Hz
Physical Size	1.36 OD x 10.25 L	1.36 OD x 10.25 L

Electrical Specifications (for output voltages depending on model.)

	3.3VDC	5VDC	12VDC	15VDC	24VDC	28VDC
Line Regulation (Low line to Hi line)	2%	2%	2%	2%	2%	2%
Load regulation (1/2-FL w/sense)	2%	2%	2%	2%	2%	2%
PARD (Ripple Noise) DC-20 MHz	1 – 3% Vout	1 – 3% Vout	1 – 3% Vout	1 – 3% Vout	1 – 3% Vout	1 – 3% Vout
Overcurrent Setpoint	115%	115%	115%	115%	115%	115%
Short Circuit Current	130%	130%	130%	130%	130%	130%
Overvoltage Set	120% Vout	120% Vout	120% Vout	120% Vout	120% Vout	120% Vout
Load Step Recovery (1/2 to FL)	.5 Micro sec	.5 Micro sec	.5 Micro sec	.5 Micro sec	.5 Micro sec	.5 Micro sec
Turn on Overshoot	0	0	0	0	0	0
Efficiency (min)	80%	80%	80%	80%	80%	80%
Isolation	NA	NA	NA	NA	NA	NA
Output Power	10W	10W	10W	10W	10W	10W

- Single or multiple outputs available to suit application
- Consult Prime Power to get your product modified to suit your application. Standard product modified for custom applications
- Triple output shown 5, +/- 15VDC. Other voltages available upon request.

Environmental Specifications

Pressure Altitude MIL-STD-810	
High Temperature MIL-STD-810	MIL-STD-502-4 Procedure – 1,2
Low temperature MIL-STD-810	Method 502.4 Procedure 1 and 2
Humidity MIL-STD-810	Method 103B
Fungus MIL-STD-810	Method 508 condition A
Salt Fog MIL-STD-810	Method 101E test condition A
Sand and Dust MIL-STD-810	Method 510.4 procedure 1 and 2
Explosive atmosphere MIL-STD-810	Method 511 condition A
Acceleration MIL-STD-810	Method 513.5 procedure 1 and 2
Vibration MIL-STD-810	5- 30 Hz 1 in double amplitude 30 – 1000 Hz, 20g all axis
Shock MIL-STD-810	1000g, .5 MSEC , ½ sine all axis

Physical Specifications

Maximum Case Size	1.36 "O.D x 10.25 L
Input/output Termination	15 Position micro "D" female one end, Male opposite end

Prime Power
The source for all your power
needs

