

## Features:

- -48VDC Input (36 -75Vin Range)
- 53.5VDC Output (42-58Vout Range)
- Front Panel On/OFF Switch & LED Indicators
- 3.3VSB / 500mA Standby Power
- I2C, RS485 and Analog Status & Control
- OCP / OVP / OTP Protection Circuits
- International Safety Approvals
- 2 Year Warranty



### INPUT SPECIFICATIONS

Input Voltage Range	-36 ~ -75 VDC Input Range
Input Current	60A Max
Efficiency	≥92 % at 40Vin, 53.5Vout, 50% Load
Polarity Protection	Reverse Input shall not damage the unit
UnderVoltage Protection	-29 ~ -35 VDC (Recover -31 ~ -36 VDC)

### OUTPUT SPECIFICATIONS

Output Voltage	53.5VDC Nominal, 42 ~ 58VDC adjustment range
Output Current	42 Amps max continuous
Output Power	2200 Watts (derate to 1800 Watts 36-40Vin Range)
Over Voltage Protection	28.2-60 VDC (Latched)
Over Current Protection	45-59 Amps (Auto-recover)
Short Circuit Protection	Load resistance <0.5 ohm; current limiting to 10s,
Regulation	±1% Load / ±1% Line
Ripple Noise	< 200mV
Transient Response	±5%, recovery in ≤200µs, F=1KHz, Vin=48V, di/dt = 1.5A/1µs, Rate of load 25%, 20000µF in parallel
Turn-On Delay	3 - 8 secs

### STATUS / CONTROL

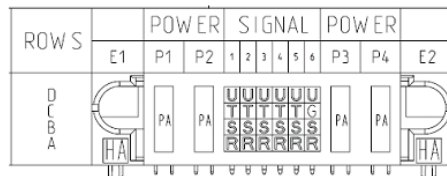
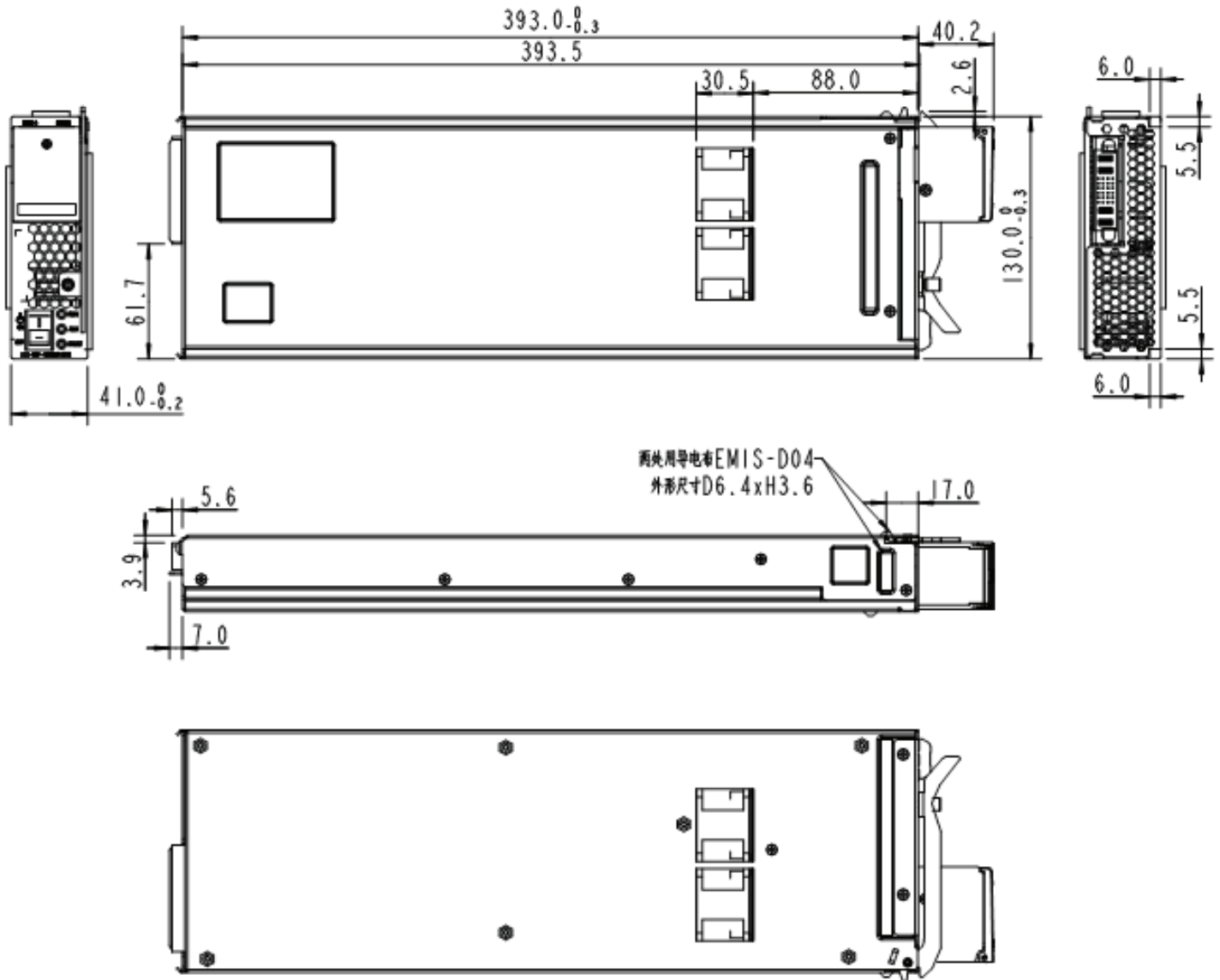
Current Share	Single Wire
DC Fail	Included
RS485	Included
3.3VSB	Rated 500mA
PS Present	Included (short pin)
Enable	Included
I2C Interface	Included

### GENERAL SPECIFICATIONS

Operating Temp	-33°C to 65°C (full load)
Temp Derating	Derate Linearly from 55-65°C to 80% Load
Storage Temp	-40°C to 70°C
Operating Humidity	10%-95%RH(non-condensing)
Storage Humidity	5%-95% RH(non-condensing)
Altitude	< 5000m
Cooling	Internal Ball Bearing Fans
Vibration	5-9Hz,3.5mm, 9-200Hz:1g, 3 axes, 5 times
Impact	11mS/5g; 6directions; 3 times each
Drop Test	<10Kg 0.10m;10-25Kg 0.0-75m;25-50Kg 0.05m;≥50Kg 0.025m
MTBF	>25k Hours at 25°C / full load

#### Safety and Emission Standards:

- Safety Approvals - TUV,CE,UL,CCC
- Emissions - EN55022 , Class B
- SURGE - L-L: ±1/2KV ,B criterion L-PE ±2/4KV ,R; IEC61000-4-5
- EFT - 1KV on DC 5KHz repetition, A criterion ,IEC61000-4-4
- DIP - EN 61000-4-29
- ESD - IEC61000-4-2, contact ±8KV,air ±15KV B criterion; at signal port,±2KV R criterion
- CS - LEVEL 3 Criterion A, IEC61000-4-6
- RS - LEVEL 3 Criterion A, IEC61000-4-3
- EFT - ±2KV,LEVEL 3 Criterion B,IEC61000-4-4
- Surge - DM:±2KV CM:±4KV Criterion B
- DIP - IEC61000-4-29 appliance



Pin No.	P1	P2	P3	P4	C6	A4	B4	C4	D6
Assignment	48V+	48V+	48V-	48V-	PS-enable	Addr2	Addr1	Addr0	AGND
Pin No.	A6	B6	C2	A2	B2	A3	B3	D2	A1
Assignment	Share+	Share-	DCfail	PS485+	PS485-	3.3V	SGND	PS-present	Null
Pin No.	B1	C1	D1	C3	D3	D4	A5	B5	C5
Assignment	Null	Null	Null	Null	Null	Null	Null	Null	Null